

AMANA EQUIPMENT

GAS FURNACES

80% SS HX
2-STAGE



The Amana® brand AMH8 two-stage (convertible), multi-speed gas furnace provides superior two-stage comfort and quiet operation. This easy-to-operate furnace delivers a money-saving 80% AFUE.

Standard Features

Patented MillionAir™ stainless-steel, dual-diameter tubular heat exchanger with lifetime limited furnace replacement warranty. Two-stage gas valve with revolutionary new convertible technology that allows installer to activate two-stage operation with the flip of a dipswitch, Silicon Nitride igniter with patented adaptive learning control for maximum igniter life, Furnace control board with self-diagnostics, color-coded low-voltage terminals and provisions for electronic air cleaner and 24-volt humidifiers, Control board stores the last five diagnostic codes in memory; simple push-button activation outputs the fault history to a flashing red LED. Low constant fan allows homeowner to activate the low heat speed to efficiently circulate air throughout the home. Self-adjusting feature automatically adjusts to high or low stage based on outside temperature without an outdoor temperature sensor. Quiet, single-speed induced-draft blower.

Cabinet Features

Fully insulated, heavy-gauge steel cabinet with durable baked-enamel finish. Foil-faced insulation lines the heat exchanger. Designed for multi-position installation: upflow, horizontal, left or right. Removable bottom for side or bottom return applications. Convenient left or right connection for gas and electric service. Coil and furnace fit flush for most installations.

Dimensions

All furnaces in this line are 28 inches deep by 39 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia (inches)	Brkr Sz	Weight	LP Kit	Width (in)
AMH80453ANA	Upflow/Horiz	45,000	36,000	3 ton	4	15	135	LPM-05	14
AMH80703ANA	Upflow/Horiz	70,000	56,000	3 ton	4	15	137	LPM-05	14
AMH80704BNA	Upflow/Horiz	70,000	56,000	4 ton	4	15	152	LPM-05	17-1/2
AMH80903BNA	Upflow/Horiz	90,000	72,000	3 ton	4	15	152	LPM-05	17-1/2
AMH80904BNA	Upflow/Horiz	90,000	72,000	4 ton	4	15	152	LPM-05	17-1/2
AMH80905CNA	Upflow/Horiz	90,000	72,000	5 ton	4	15	178	LPM-05	21
AMH81155CNA	Upflow/Horiz	115,000	92,000	5 ton	4	15	194	LPM-05	21
AMH81405DNA	Upflow/Horiz	140,000	112,000	5 ton	4	15	194	LPM-05	24-1/2

AMANA EQUIPMENT

GAS FURNACES

80% SS HX

VARIABLE SPEED

AMANA EQUIPMENT



The Amana® brand AMV8 Multi-Position, Two-Stage, Variable-Speed Gas Furnace provides exceptional indoor comfort. With its 2-stage gas valve, variable-speed circulator blower, the AMV8 provides comfort all

season long. This quiet furnace delivers a money-saving 80% afue

Million-Air™ Heat Exchanger. Our patented, heavyduty, Million-Air™ stainless-steel heat exchanger is backed by one of the best warranties in the industry. The Million-Air™ draws on three key technologies-wrinkleblend technology, dual-diameter tubing and muffler joint technology-that work together with the physical properties of the stainless-steel tubes. The result is a tight, strong, long-lasting heat exchanger that is unsurpassed in the industry.

Ignition System. Next-generation SureStart silicon nitride hot surface ignition system increases reliability. Patented, adaptive technology delivers just enough heat to the igniter without overheating.

Quiet and Efficient Operation. Super-efficient, quiet, variable-speed circulator blower saves money on power bills during the heating and cooling seasons. Runs on lowstage 90% of the time, producing just 25% of the normal high-fire sound. Low constant fan setting costs about as much as a 75-watt light bulb to operate. Runs for longer periods of time so air filters remove more impurities.

Auto-Comfort Mode. When the thermostat says it's time to cool, the unit will slowly and quietly ramp up to about 50% power, or half-speed. It will remain there for about 30 sec., super-cooling the evaporator coil. Then the unit will automatically ramp up to 82% speed and stay there for around 7.5 min., dehumidifying the air in the home. If the desired temperature hasn't been reached, the unit will automatically ramp up to 100% until the demand is met. The unit will ramp down to 50% again for 30 sec., wringing out the available dehumidification and cooling, then silently ramp off.

Integrated Control Board. The AMV8 operation is constantly monitored by an integrated ignition control and dedicated high heat, low heat and cooling speeds; adjustable bloweroff timing for customized comfort settings. The improved diagnostics allow for quick and easy service.

Versatility. Multi-position installation-upflow, horizontal right or left. Left or right gas pipe entry. A 40VA transformer is included for heating and air conditioning control service, and a rotating combustion air blower provides the option of venting the furnace through the top, righthand side or left-hand side. Terminals for electronic air cleaner and humidifier. Convertible to propane gas. **Durable**

Cabinet. High-quality, post-painted, galvanized steel cabinet resists rust and corrosion. The fully insulated cabinet has a leather-grain finish and assists in quiet, efficient operation. The false bottom allows for easy access, and a large view hole helps with servicing the unit. Its 39" height allows for easier installation.

High Standards. This furnace is completely assembled and factory run-tested for heating or combination heating/cooling applications. Certified for category I venting.

Dimensions

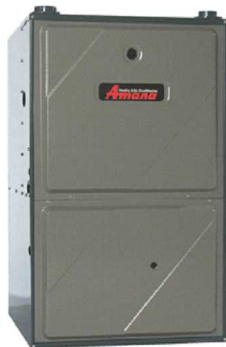
All furnaces in this line are 28 inches deep by 39 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia (inches)	Brkr Sz	Weight	LP Kit	Width (inch)
AMV80704BXA	Upflow/Horiz	70,000	56,000	4 ton	4	15	152	LPM-05	17-1/2
AMV80905CXA	Upflow/Horiz	90,000	72,000	5 ton	4	15	178	LPM-05	21
AMV81155CXA	Upflow/Horiz	115,000	92,000	5 ton	4	15	194	LPM-05	21

AMANA EQUIPMENT

GAS FURNACES

95% SS HX
2-STAGE



AMANA EQUIPMENT

The Amana® brand AMH95 multi-position, twostage, convertible multi-speed gas furnace provides exceptional indoor comfort. This quiet furnace delivers a money-saving efficiency of up to 95% AFUE.

Standard Features

Patented Million Air Stainless Steel dual-diameter tubular heat exchanger with lifetime furnace replacement limited warranty. Two-stage gas valve with revolutionary new Twin-Comfort control technology allows installers to turn on two-stage operation with the flip of a dipswitch. SureStart Silicon Nitride igniter with patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics, low-voltage terminal block, and separate terminals for electronic air cleaner and 24-volt humidifiers. Control board stores the last five diagnostic codes in memory; simple push-button activation outputs the fault history to a flashing red LED. Low constant fan mode allows the homeowner to activate the lowest available heating speed to quietly and efficiently circulate air throughout the home during the off cycle. Self-adjusting feature automatically adjusts furnace to high or low stage based on outside temperature without the need for an outdoor temperature sensor. Dual-certified for sealed combustion direct vent (2-pipe) or non-direct vent (1-pipe) applications. Easy-to-install top venting standard; alternate flue/vent located on the right. Quiet, single-speed induced-draft blower.

Cabinet Features

Fully-insulated, heavy-gauge steel cabinet with durable baked-enamel finish. Foil-faced insulation lines the heat exchanger compartment. Designed for multi-position installation: upflow, horizontal left or right. Airtight solid bottom for side-return applications and easy-cut tabs for effortless removal in bottom air-inlet applications. Convenient left or right connection for gas and electric service. Coil and furnace fit flush for most installations.

Dimensions

All furnaces in this line are 28-3/4 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia (inches)	Brkr Sz	Weight	LP Kit	Width (inch)
AMH950453BXA	Upflow/Horiz	46,000	44,600	3 ton	2	15	132	LPM-05	17-1/2
AMH950703BXA	Upflow/Horiz	69,000	66,400	3 ton	2	15	135	LPM-05	17-1/2
AMH950704CXA	Upflow/Horiz	69,000	66,400	4 ton	2	15	136	LPM-05	21
AMH950904CXA	Upflow/Horiz	92,000	89,000	4 ton	2	15	158	LPM-05	21
AMH950905DXA	Upflow/Horiz	92,000	89,000	5 ton	3	15	172	LPM-05	24-1/2
AMH951155DXA	Upflow/Horiz	115,000	110,500	5 ton	3	15	175	LPM-05	24-1/2

AMANA EQUIPMENT

GAS FURNACES

95% SS HX

VARIABLE SPEED

AMANA EQUIPMENT



The Amana® brand AMV9/ACV9 Multi-Position, Two-Stage, Variable-Speed Gas Furnaces provide exceptional indoor comfort. With its 2-stage gas valve, variable-speed circulator blower, the AMV9/ACV9 provide comfort all season long. This quiet furnace delivers money-saving efficiencies up to 96% AFUE.

Million-Air™ Heat Exchanger. Our patented, heavy-duty, Million-Air™ stainless-steel heat exchanger and recuperative coil are backed by one of the best warranties in the industry. The Million-Air™ draws on three key technologies - wrinklebend technology, dual-diameter tubing and muffler joint technology - that work with the physical properties of the stainless-steel tubes. The result is a tight, strong, long-lasting heat exchanger.

Ignition System. Next-generation SureStart silicon nitride hot surface ignition system increases reliability. Patented, adaptive technology delivers just enough heat to the igniter without overheating.

Quiet and Efficient Operation. Super-efficient, quiet, variable-speed circulator blower saves money on power bills during the heating and cooling seasons. Runs on low-stage 90% of the time, producing just 25% of the normal high-fire sound. Low constant fan setting costs about as much as a 75-watt light bulb to operate. Runs for longer periods of time so air filters remove more impurities.

Auto-Comfort Mode. When the thermostat says it's time to cool, the unit will slowly and quietly ramp up to about 50% power, or half-speed. It will remain there for about 30 sec., super-cooling the evaporator coil. Then the unit will automatically ramp up to 82% speed and stay there for around 7.5 min., dehumidifying the air in the home. If the desired temperature hasn't been reached, the unit will automatically ramp up to 100% until the demand is met. The unit will ramp down to 50% again for 30 sec., wringing out the available dehumidification and cooling, then silently ramp off.

Integrated Control Board. The AMV9/ACV9 operation is constantly monitored by an integrated ignition control and dedicated high heat, low heat and cooling speeds; adjustable blower-off timing for customized comfort settings. The improved diagnostics allow for quick and easy service.

Versatility. Multi-position installation-AMV9: upflow, horizontal right or left; ACV9: downflow, horizontal right or left. Left or right gas pipe entry. A 40VA transformer is included for heating and air conditioning control service. Top venting is standard; alternate flue/vent located on right side. Terminals for electronic air cleaner and humidifier. Convertible to propane gas. Suitable for direct vent (2-pipe) or non-direct vent (1-pipe) applications.

Durable Cabinet. High-quality, post-painted steel cabinet resists rust and corrosion. The fully insulated cabinet assists in quiet, efficient operation. The false bottom allows for easy access, and a large view hole helps with servicing the unit.

High Standards. This furnace is completely assembled and factory run-tested for heating or combination heating/cooling applications. Certified for category IV venting.

Dimensions

All furnaces in this line are 28-3/4 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia (inches)	Brkr Sz	Weight	LP Kit	Width (inch)
AMV90453BXA	Upflow/Horiz	46,000	44,300	3 ton	2	15	133	LPM-05	17-1/2
AMV90704CXA	Upflow/Horiz	69,000	66,900	4 ton	2	15	135	LPM-05	21
AMV90905DXA	Upflow/Horiz	92,000	88,800	5 ton	2	15	172	LPM-05	24-1/2
AMV91155DXA	Upflow/Horiz	115,000	111,100	5 ton	3	15	175	LPM-05	24-1/2

AMANA EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

13 SEER

R22



The Amana® brand ASC13 Series Air Conditioners feature energy efficiencies and operating sound levels that are among the best in the heating & cooling industry. With a 13 SEER rating, the ASC13 will help educe energy consumption throughout the life of the system.

Standard Features

- R-22 refrigerant • Energy-efficient Copeland scroll compressor • High-density foam compressor sound blanket • Copeland ComfortAlert diagnostics • Low-pressure switch • Fully charged for 15' of tubing length• Factory-installed filter dryer • Two-speed condenser fan motor • Copper tube/enhanced aluminum fin coil• Sweat connection service valves with easy access to gauge ports • 13 SEER performance with flowrater expansion device • ARI Certified • ETL Certified

Cabinet Features

- Unique Amana® brand sound control top design • Wire fan discharge grille • Steel louver coil guard• Baked-on powder-paint finish • Rust-resistant coated screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories.

Part No	Nominal Cooling (Btu/hr)	Liquid Line	Suction Line	Voltage	Brkr Sz	Weight	Pad Size
ASC13018	18,000	3/8	3/4	208/230/1	15A	165	30 x 30
ASC13024	24,000	3/8	3/4	208/230/1	20A	180	30 x 30
ASC13030	28,000	3/8	3/4	208/230/1	20A	225	30 x 30
ASC13036	35,000	3/8	3/4	208/230/1	30A	240	30 x 30
ASC13042	41,000	3/8	7/8	208/230/1	30A	250	30 x 30
ASC13048	45,500	3/8	7/8	208/230/1	40A	260	30 x 30
ASC13060	57,000	3/8	7/8	208/230/1	50A	295	36 x 36

FAN COIL MATCHUPS - AC

Model	Constant Speed ARUF/AR PF	SEER	Var Speed	SEER	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBR	SEER MBE
ASC13018	ARUF1824	13	AEPF1830	14	0800+	1200+	CAPF1824B6A	CHPF2430B6A	13	14
ASC13024	ARUF1824	13	AEPF1830	14	0800+	1200+	CAPF1824B6A	CHPF2430B6A	13	14
ASC13030	ARUF3030	13	AEPF1830	14	1200+	1200+	CAPF3030B6A	CHPF3642B6A	13	14
ASC13036	ARUF3642	13	AEPF3036	14	1600+	1600+	CAPF3636C6A	CHPF3642C6A	13	14
ASC13042	ARUF3642	13	AEPF4260	14	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13	14
ASC13048	ARUF4860	13	AEPF4260	14	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13	14
ASC13060	ARUF4860	13	AEPF4260	13.5	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13	13.5

AMANA EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R410A



The Amana® brand ASX14 Air Conditioner uses the environmentally friendly refrigerant R-410A and features energy efficiencies and operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorinefree to help prevent damage to the ozone layer. The ASX14 features a high-efficiency Copeland scroll compressor that provides improved temperature and humidity control. With its 14 SEER rating, the ASX14 will help reduce energy consumption throughout the life of the system compared to US federal minimum efficiency standards for 13 SEER products.

Standard Features

- R-410A environmentally friendly refrigerant • High-efficiency Copeland® scroll compressor • High-density foam compressor sound blanket • Copeland® ComfortAlert diagnostics • High- and low-pressure switches • Fully charged for 15' of tubing length • Factory-installed filter dryer • Two-speed condenser fan motor • Copper tube/enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • ARI Certified; ETL Certified

Cabinet Features

- Unique Amana® brand sound control top design • Wire fan discharge grille • Steel louver coil guard • Baked-on powder-paint finish • Rust-resistant coated screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories

Part No	Nominal Cooling (Btu/hr)	Liquid Line	Suction Line	Voltage	Brkr Sz	Weight	Pad Size
ASX14018	18,000	3/8	3/4	208/230/1	20A	199	30 x 30
ASX14024	24,000	3/8	3/4	208/230/1	20A	207	30 x 30
ASX14030	30,000	3/8	3/4	208/230/1	30A	229	30 x 30
ASX14036	36,000	3/8	7/8	208/230/1	30A	242	36 x 36
ASX14042	42,000	3/8	7/8	208/230/1	40A	242	36 x 36
ASX14048	48,000	3/8	7/8	208/230/1	40A	266	36 x 36
ASX14060	60,000	3/8	1-1/8	208/230/1	60A	288	36 x 36

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AMANA EQUIPMENT

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R410A

FAN COIL MATCHUPS - AC					
Model	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBE	TXV
ASX14018	1200	CAPF3131	CHPF2430	15	TX3N4
ASX14024	1200	CAPF3636	CHPF3636	15	TX3N4
ASX14030	1200	CAPF3636	CHPF3636	15	TX3N4
ASX14036	1600	CAPF4860	CHPF3642	15	TX3N4
ASX14042	2000	CAPF4860	CHPF4860	15	TX5N4
ASX14048	2000	CAPF4860	CHPF4860	15.5	TX5N4
ASX14060	2000	CAPF4860	CHPF4860	15	TX5N4
*NOTE: All ASX14 units require TXV to make above rating.					

AMANA EQUIPMENT

AMANA EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

16 SEER

R410A



The Amana® brand ASX16 Air Conditioner uses the environmentally friendly refrigerant R-410A and features energy efficiencies and operating levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. The ASX16 features a new technology - the two-stage, high-efficiency Copeland® scroll compressor- that better matches the cooling requirements of the conditioned space, providing improved temperature and humidity control.

Standard Features

R-410A environmentally friendly refrigerant, two-Stage Copeland® UltraTech Scroll compressor, High-density foam compressor cover, Copeland® ComfortAlert diagnostics, High- and low-pressure switches, Factory-installed filter dryer, Two-speed condenser fan motor, Copper tubing/enhanced aluminum fin coil, Sweat connection service valves with easy access to gauge ports, ARI Certified, ETL Listed

Cabinet Features

Unique Amana® brand sound control top design, Wire fan discharge grille, Steel louver coil guard Baked-on powder paint finish, Rust-resistant coated screws, Compact footprint, Top and side maintenance access, Single-panel access to controls with space provided for field installed accessories.

Part No	Nominal Cooling (Btu/hr)	Liquid Line	Suction Line	Voltage	Brkr Sz	Weight	Pad Size
ASX16024	24,000	3/8	3/4	208/230/1	20A	282	30 x 30
ASX16036	36,000	3/8	3/4	208/230/1	30A	282	30 x 30
ASX16048	48,000	3/8	7/8	208/230/1	40A	296	36 x 36
ASX16060	60,000	3/8	7/8	208/230/1	50A	296	36 x 36
FAN COIL MATCHUPS - AC							
Model	Variable Speed	SEER	MBE Blower	Upflow Coil	Horizontal Coil	SEER MBE	TXV
ASX180361	AEPF426016	18	2000	CAPF4860	CHPF4860	18.3	TX3N4
ASX180481	AEPF426016	17.5	2000	CAPF4860	CHPF4860	18/18.3	TX5N4
ASX180601	AEPF426016	16	2000	CAPF4860	CHPF4860	17	TX5N4
*NOTE: All ASX18 units require TXV to make above rating.							

AMANA EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

18 SEER

R410A



The Amana® brand ASX18 Air Conditioner uses the environmentally friendly refrigerant R-410A and features energy efficiencies and operating levels that are among the best in the heating and cooling industry. R410A is chlorine-free to help prevent damage to the ozone layer. The ASX18 features a new technology -the two-stage, high-efficiency Copeland® scroll compressor- that better matches the cooling requirements of the conditioned space, providing improved temperature and humidity control.

Standard Features

R-410A environmentally friendly refrigerant, two-Stage Copeland® UltraTech Scroll compressor, High-density foam compressor cover, Copeland® ComfortAlert diagnostics, High- and low-pressure switches, Factory-installed filter dryer, Two-speed condenser fan motor, Copper tubing/enhanced aluminum fin coil, Sweat connection service valves with easy access to gauge ports, ARI Certified, ETL Listed

Cabinet Features

Unique Amana® brand sound control top design, Wire fan discharge grille, Steel louver coil guard Baked-on powder paint finish, Rust-resistant coated screws, Compact footprint, Top and side maintenance access, Single-panel access to controls with space provided for field installed accessories.

Part No	Nominal Cooling (Btu/hr)	Liquid Line	Suction Line	Voltage	Brkr Sz	Weight	Pad Size
ASX180361	35,000	3/8	7/8	208/230/1	30A	285	36 x 36
ASX180481	47,000	3/8	1-1/8	208/230/1	40A	330	36 x 36
ASX180601	57,000	3/8	1-1/8	208/230/1	50A	350	36 x 36
FAN COIL MATCHUPS - AC							
Model	Variable Speed	SEER	MBE Blower	Upflow Coil	Horizontal Coil	SEER MBE	TXV
ASX180361	AEPF426016	18	2000	CAPF4860	CHPF4860	18.3	TX3N4
ASX180481	AEPF426016	17.5	2000	CAPF4860	CHPF4860	18/18.3	TX5N4
ASX180601	AEPF426016	16	2000	CAPF4860	CHPF4860	17	TX5N4
*NOTE: All ASX18 units require TXV to make above rating.							

AMANA EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

13 SEER

R22



The Amana® brand ASH13 13 SEER Heat Pump features operating sound levels that are among the best in the heating and cooling industry. With its 13 SEER rating - up to 14 SEER with properly matched Amana® brand components - and up to 8.3 HSPF heating efficiency ratings, the ASH13 will help reduce energy consumption throughout the life of the system. Other features include an energy-efficient scroll compressor with overload protection, a sound blanket for quiet operation, and refrigeration-grade copper tube/enhanced aluminum fin coils.

Standard Features

- Energy-efficient Copeland® scroll compressor • R-22 refrigerant • High-density foam compressor sound blanket • Copeland® ComfortAlert diagnostics • Low-pressure switch • Fully charged for 15' of tubing length • Factory-installed bi-flow liquid line filter dryer • Liquid refrigerant return protection • Two-speed condenser fan motor • Copper tube/enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • 13 SEER performance with flowrater expansion device • ARI Certified • ETL Certified

Cabinet Features

- Unique Amana® brand sound control top design • Wire fan discharge grille • Steel louver coil guard • Baked-on powder-paint finish • Rust-resistant coated screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories

Part No	Nominal Clg/Htg	Liquid line	Suction line	Voltage	Brkr Sz	Weight	Pad Size
ASH13018	18,000/17,400	3/8	3/4	208/230/1	20A	175	30 x 30
ASH13024	23,600/23,000	3/8	3/4	208/230/1	20A	190	30 x 30
ASH13030	28,000/27,000	3/8	3/4	208/230/1	20A	240	30 x 30
ASH13036	35,000/34,000	3/8	7/8	208/230/1	30A	260	30 x 30
ASH13042	40,000/39,500	3/8	7/8	208/230/1	30A	260	30 x 30
ASH13048	45,000/43,000	3/8	7/8	208/230/1	40A	275	30 x 30
ASH13060	55,500/55,500	3/8	7/8	208/230/1	50A	325	36 x 36

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AMANA EQUIPMENT

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SPLIT SYSTEM

HEAT PUMPS

13 SEER

R22

FAN COIL MATCHUPS - HP										
Model	Single Speed - ARUF or ARPF	SEER / HSPF	Variable Speed	SEER / HSPF	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER / HSPF	SEER / HSPF
ASH13018	ARUF1824	13/7.7	AEPF1830	14/8.0	0800+	1200+	CAPF1824B6A	CHPF1824B6A	13/7.7	14/8.0
ASH13024	ARUF1824	13/7.7	AEPF1830	14/8.0	0800+	1200+	CAPF1824B6A	CHPF1824B6A	13/7.7	14/8.0
ASH13030	ARUF3030	13/7.7	AEPF1830	14/8.0	1200+	1200+	CAPF3131B6A	CHPF2430B6A	13/7.7	14/8.0
ASH13036	ARUF3642	13/7.7	AEPF3036	14/8.0	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13/7.7	14/8.0
ASH13042	ARUF3642	13/8.0	AEPF4260	14/8.2	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13/8.0	14/8.2
ASH13048	ARUF4860	13/8.2	AEPF4260	14/8.4	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13/8.2	14/8.4
ASH13060	ARUF4860	13/8.5	AEPF4260	13/8.6	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13/8.5	13.5/8.6

AMANA EQUIPMENT

AMANA EQUIPMENT**SPLIT SYSTEM****HEAT PUMPS**

14 SEER

R410A



The Amana® brand ASZ14 14 SEER Heat Pump uses the environmentally friendly refrigerant R-410A and features operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. With its 14 SEER rating, the ASZ14 will reduce energy consumption throughout the life of the system compared to US federal minimum efficiency standards for 13-SEER products.

Standard Features

- High-efficiency Copeland® scroll compressor • R-410A environmentally friendly refrigerant • High-density foam compressor sound blanket • Copeland® ComfortAlert diagnostics • High- and low-pressure switches • Fully charged for 15' of tubing length • Factory-installed bi-flow liquid-line filter dryer • Liquid refrigerant return protection • Two-speed condenser fan motor • Copper tube/enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • ARI Certified; ETL Certified

Cabinet Features

- Unique Amana® brand sound control top design • Wire fan discharge grille • Steel louver coil guard • Baked-on powder-paint finish • Rust-resistant screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories

Part No	Nominal Clg/Htg	Liquid line	Suction line	Voltage	Brkr Sz	Weight	Pad Size	
ASZ14018	18,000/18,000	3/8	3/4	208/230/1	20A	199	30 x 30	
ASZ14024	24,000/24,000	3/8	3/4	208/230/1	20A	207	30 x 30	
ASZ14030	30,000/28,000	3/8	3/4	208/230/1	30A	219	30 x 30	
ASZ14036	36,000/36,000	3/8	7/8	208/230/1	30A	242	36 x 36	
ASZ14042	42,000/42,000	3/8	7/8	208/230/1	40A	242	36 x 36	
ASZ14048	48,000/46,600	3/8	7/8	208/230/1	40A	266	36 x 36	
ASZ14060	60,000/59,000	3/8	1-1/8	208/230/1	60A	280	36 x 36	
FAN COIL MATCHUPS - HP								
Model	Single Speed - ARUF/ARPF	SEER/HSPF	2-Pc MBR	2-Pc MBE	CAPF Upflow	CHPF Horiz	SEER/HSPF	SEER/HSPF
ASZ14018	193116+TX3N4	15/8.3	800	1200	3131	2430	14/8.1	15/8.1
ASZ14024	193116+TX3N4	14/8.5	800	1200	3636	3636	14/8.3	15/8.3
ASZ14030	193116+TX3N4	14/8.5	1600	1200	3636	3642	14/8.5	15/8.5
ASZ14036	374316+TX3N4	14/9	1600	2000	4860	3642	14/9	15/9
ASZ14042	374316+TX5N4	14/9	2000	2000	4860	4860	14/9	15/9
ASZ14048	374316+TX5N4	14/8.5	2000	2000	4860	4860	14/8.5	15/9
ASZ14060	374316+TX5N4	13.5/8.5	2000	2000	4860	4860	14/8.5	15/9
*NOTE: All ASZ14 units require TXV to make above ratings.								

AMANA EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

16 SEER

R410A



The Amana® brand ASZ16 Heat Pumps offer energy efficiencies and operating sound levels that are among the best in the heating and cooling industry. Our quality manufacturing, easy installation and maintenance make this unit one of the best values on the market.

Standard Features

R-410A environmentally friendly refrigerant, Two-Stage Copeland® UltraTech Scroll compressor, High-density foam compressor cover, Copeland® ComfortAlert diagnostics, High- and low-pressure switches, Factory-installed bi-flow liquid line filter dryer, Liquid refrigerant return protection, Two-speed condenser fan motor, Copper tubing/enhanced aluminum fin coil, Sweat connection service valves with easy access to gauge ports, ARI Certified, ETL Listed

Cabinet Features

Unique Amana® brand sound control top design, Wire fan discharge grille, Steel louver coil guard, Baked-on powder paint finish, Rust-resistant coated screws, Compact footprint, Top and side maintenance access, Single-panel access to controls with space provided for field-installed accessories.

Part No	Nominal Clg/Htg		Liquid line	Suction line	Voltage	Brkr Sz	Weight	Pad Size
ASZ16024	24,000/24,000		3/8	3/4	208/230/1	20A	282	30 x 30
ASZ16048	48,000/48,000		3/8	7/8	208/230/1	40A	282	36 x 36
ASZ16060	60,000/60,000		3/8	7/8	208/230/1	50A	296	36 x 36
ASZ180361	36,000/36,000		3/8	7/8	208/230/1	30A	282	36 x 36
FAN COIL MATCHUPS - HP								
Model	Variable Speed	SEER/HSPF	2-Pc Var Speed MBE		CAPF Upflow	CHPF Horiz	SEER/HSPF	TXV
ASZ180361	AEPF426016	18/9.3	2000		3642	3642	18/9.3	TX3N4
ASZ180481			2000		4860	4860	18/9.5	TX5N4
ASZ180601			2000		4860	4860	17/9.5	TX5N4
*NOTE: All ASZ16 units require TXV to make above ratings.								

AMANA EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

18 SEER

R410A



The Amana® brand ASZ18 Heat Pumps offer energy efficiencies and operating sound levels that are among the best in the heating and cooling industry. Our quality manufacturing, easy installation and maintenance make this unit one of the best values on the market.

Standard Features

R410A environmentally friendly refrigerant, Two-Stage Copeland® UltraTech Scroll compressor, High-density foam compressor cover, Copeland® ComfortAlert diagnostics, High- and low-pressure switches, Factory-installed bi-flow liquid line filter dryer, Liquid refrigerant return protection, Two-speed condenser fan motor, Copper tubing enhanced aluminum fin coil, Sweat connection service valves with easy access to gauge ports, ARI Certified, ETL Listed

Cabinet Features

Unique Amana® brand sound control top design, Wire fan discharge grille, Steel louver coil guard, Baked-on powder paint finish, Rust-resistant coated screws, Compact footprint, Top and side maintenance access, Single-panel access to controls with space provided for field-installed accessories.

Part No	Nominal Clg/Htg		Liquid line	Suction line	Voltage	Brkr Sz	Weight	Pad Size
ASZ18036	35,000		3/8	7/8	208/230/1	30A	285	36 x 36
ASZ180481	47,000		3/8	1-1/8	208/230/1	40A	330	36 x 36
ASZ180601	47,000		3/8	1-1/8	208/230/1	50A	350	36 x 36
FAN COIL MATCHUPS - HP								
Model	Variable Speed	SEER/HSPF	2-Pc Var Speed MBE		CAPF Upflow	CHPF Horiz	SEER/HSPF	TXV
ASZ180361	AEPF426016	18/9.3	2000		3642	3642	18/9.3	TX3N4
ASZ180481			2000		4860	4860	18/9.5	TX5N4
ASZ180601			2000		4860	4860	17/9.5	TX5N4
*NOTE: All ASZ16 units require TXV to make above ratings.								

AMANA EQUIPMENT

SPLIT SYSTEM

ASC/ASH/ASX/ASZ SERIES

ACCESSORIES

The accessories below are used on the ASC, ASH, ASX, and ASZ series equipment.

Part No	Description	ASX14	ASX14	ASX14	ASX14	ASX14	ASX14	ASX14	Price
		018	024	030	036	042	048	060	
ASC01	Anti-short cycle kit	X	X	X	X	X	X	X	\$32
CSR-U-1	Hard Start Kit	X	X	X	X				\$62
CSR-U-2	Hard Start Kit				X	X	X	X	\$144
CSR-U-3	Outdoor Thermostat	X	X	X	X	X	X	X	\$274
FSK01A	Hard Start Kit						X	X	\$42
OT18-60A	Freeze Protection Kit	X	X	X	X	X	X	X	\$50
TX3N4	TXV Kit	X	X	X	X				\$178
TX5N4	TXV Kit					X	X	X	\$178

PTAC

HEAT PUMPS



PACKAGED TERMINAL AIR CONDITIONERS AND HEAT PUMPS

FULL WARRANTY

- 1ST YEAR
- 2ND THROUGH 5TH YEAR - SEALED SYSTEM

LIMITED WARRANTY

- 2ND THROUGH 5TH YEAR - PARTS

We have designed the Amana® brand Packaged Terminal Air Conditioner for customer comfort and owner piece of mind. No other unit in the industry offers so many energy management features as standard. With the ability of the DigiSmart™ PTAC to reduce operating costs by 35%, there is no need to settle for anything less than an Amana® brand PTAC.

Features

Energy Efficiency - Amana® brand PTACs have an EER of up to 12.8 (on heat pumps, a COP of up to 3.6) to keep energy consumption to a minimum

On-board Energy Management System -

Amana® brand units are equipped with EMS technology to better control room temperature and save energy dollars

DigiSmart™ Control Board - ready for wireless or wired operation

Programmable Set-back Program - ownercontrolled settings allows automatic temperature setback when unit is idle

Network Ready - Amana® brand DigiSmart™ units connected to a Tridium JACE controller automatically build their own wireless network

DigiSmart™ Suite of Peripherals - remote occupancy sensor, remote thermostat, RF antennas, and RF platform controller provide everything you need to reduce energy costs by 35%

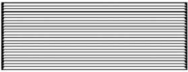
Part No	Nominal BTU	Voltage	Electric Heat KW	Price
PTH093B35A	9,000	208-230/1	3.5	\$1,286
PTH123B35A	12,000	208-230/1	3.5	\$1,324
PTH153B50A	15,000	208-230/1	5.0	\$1,400

AMANA EQUIPMENT

AMANA EQUIPMENT

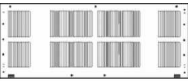
PTAC

WALL GRILLE
ARCHITECTURAL



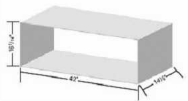
Part No	Description	Price
AGK01CB	Anodized Aluminum	\$124

STANDARD



Part No	Description	Price
SGK01B	Stamped Aluminum	\$48

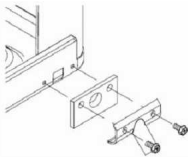
WALL SLEEVE



Part No	Size	Price
WS900	16 X 42	\$160

ACCESSORIES

DRAIN KIT



Part No	Description	Price
DK900D	Drain Kit	\$20

BARD EQUIPMENT

OIL FURNACES

HI BOY



- Unique Combustion Chamber/Burner Mounting System simplifies cleaning, maintenance and service (F series only)
- Heavy-gauge steel heat exchanger
- Burner and blower motor plug-in connectors
- Four Extra large clean-outs
- Beckett AFG flame retention oil burner
- Beckett "Clean-Cut" Fuel Pump
- Solid State Ignition Transformer
- Honeywell R7184B Primary Control
- 40VA transformer to accommodate optional air conditioning unit
- Sidewall Vent Compatible
- Combustion Air Compatible
- GAMA certified, UL listed
- Limited Warranty Policy

Part No	BTU Input	Volts	Vent Size	Size WxHxD (in)	Total Unit Amps	Blower Motor		Plenum opening	Brkr Sz	Price
						HP	HP			
FH085D36*	85 mbh	115/60/1	6 inch	23x53x30-1/2	10.0	1/3	1.7	22 x 20	15	\$2,580
FH110D48*	110 mbh	115/60/1	6 inch	23x59x30-1/2	13.0	1/2	1.7	22 x 20	20	\$2,908
FH110D60*	110 mbh	115/60/1	6 inch	23x59x30-1/2	15.0	3/4	1.7	22 x 20	20	\$2,993

HORIZONTAL



- Unique Combustion Chamber/Burner Mounting System simplifies cleaning, maintenance and service (F series only)
- Heavy-gauge steel heat exchanger
- Burner and blower motor plug-in connectors
- Four Extra large clean-outs
- Beckett AFG flame retention oil burner
- Beckett "Clean-Cut" Fuel Pump
- Solid State Ignition Transformer
- Honeywell R7184B Primary Control
- 40VA transformer to accommodate optional air conditioning unit
- Sidewall Vent Compatible
- Combustion Air Compatible
- GAMA certified; UL listed
- Limited Warranty Policy

Part No	Cabinet Configurations	BTU Input	AFUE	Nominal Cooling Capacities	Electrical	Size WxHxD (in)	Supply Opening	Flue Size	Price
SOF175D60A	Horizontal 2 Models	230,000	76.0%	5 Tons	230/208-1-60	74x30x30	26 x 26	8 inch	\$3,695
SOF265D90A	Horizontal 2 Models	350,000	76.0%	7.5 Tons	230/208-1-60	76x36x36	32 x 32	9 inch	\$4,133

LOW BOY



- Unique Combustion Chamber/Burner Mounting System simplifies cleaning, maintenance and service (F series only)
- Heavy-gauge steel heat exchanger
- Burner and blower motor plug-in connectors
- Four Extra large clean-outs
- Beckett AFG flame retention oil burner
- Beckett "Clean-Cut" Fuel Pump
- Solid State Ignition Transformer
- Honeywell R7184B Primary Control
- 40VA transformer to accommodate optional air conditioning unit
- Sidewall Vent Compatible
- Combustion Air Compatible
- GAMA certified; UL listed
- Limited Warranty Policy

Part No	BTU Input	Volts	Flue position	Size WxHxD (in)	Total Unit Amps	Blower Motor		Plenum Opening	Brkr Sz	Price
						Vent Size	HP			
FLF085D36*	85 mbh	115/60/1	front	23x36-5/8x48-1/8	8.1	6 inch	1.7	22 x 20	15	\$3,140
FLF110D48*	110 mbh	115/60/1	front	23x40-5/8x48-1/8	13.0	6 inch	1.7	22 x 20	20	\$3,283
FLR085D36*	85 mbh	115/60/1	rear	23x36-5/8x48-1/8	8.1	6 inch	1.7	22 x 20	15	\$3,140
FLR110D48*	110mbh	115/60/1	rear	23x40-5/8x48-1/8	13.0	6 inch	1.7	22 x 20	20	\$3,283
FLR140D60*	140 mbh	115/60/1	rear	26x47-5/8x50-1/4	15.0	6 inch	1.7	25 x 20	20	\$3,755

WALL-MOUNT AIR CONDITIONERS



- Aluminum Fin/Copper Coils
 - Circuit Breaker/Toggle disconnect on all KW and OZ Models
 - High Pressure Control - 4 & 5 Ton Models
 - Full Length Mounting Brackets
 - Built-in Rain Hood/Top Rain Flashing
 - Barometric Fresh Air Damper
 - ARI Certified
 - UL & CUL (Canadian) Listed
 - Optional Ventilation & Controls Available
 - Limited Warranty Policy
- Numerous sizes and options available. Call for pricing and availability**

Sizes	Cooling Efficiency	Electric Heat Options	Nominal Cooling Capacities
1-5 ton	8.7 SEER to 11.3 SEER, 10.0 SEER - 12.5 SEER	Ranges from 0 KW to 20 KW	Ranges from 1.5 to 5.0 Tons

BARD EQUIPMENT

PACKAGED A/C & HEAT PUMP
OVER AND UNDER
13 SEER



BARD EQUIPMENT

Engineered for high efficiency, the Bard Packaged Air Conditioner is the economical choice for comfort. The 13 SEER cooling efficiency saves both energy and operating costs every month, making it the ideal choice for residential or light commercial applications. The unique over and under design provides an exact replacement for niche retrofit applications, thereby minimizing installation costs.

Reciprocating compressors with crankcase heaters standard on 2,2-1/2, and 3 ton models. Scroll compressors are used on all other models and no crankcase heaters are required. R-410A refrigerant, ECM Indoor Blower Motor, Aluminum Finned Copper Coils, Thermal expansion valves, Liquid Line Filter Drier, Compressor Control Module, Auto-reset High & Low Pressure Switches, Painted 20 Gauge Zinc Coated Steel Cabinet, Painted 16 Gauge Zinc Coated Unit Base, Top Discharge Outdoor Fan

Model No	Cooling Btu/h	Seer	Electric	Breaker(amp)	Weight(lbs)	Price
PA13241-A	23,000	13	208/230/60/1	20	360	\$3,640
PA13301-A	29,000	13	208/230/60/1	25	410	\$4,007
PA13361-A	34,000	13	208/230/60/1	35	410	\$4,056
PA13361-B	34,000	13	208/230/60/3	20	410	\$4,266
PA13421-A	43,000	13	208/230/60/1	50	440	\$4,943
PA13421-B	43,000	13	208/230/60/3	35	440	\$5,155
PA13481-A	46,500	13	208/230/60/1	50	440	\$5,094
PA13481-B	46,500	13	208/230/60/3	40	440	\$5,307
PA13601-A	56,500	13	208/230/60/1	60	450	\$5,337
PA13601-B	56,500	13	208/230/60/3	40	450	\$5,588

BARD EQUIPMENT

PACKAGED A/C & HEAT PUMP

OVER AND UNDER

13 SEER

Engineered for high efficiency, the Bard Packaged Heat Pump is the economical choice for comfort. The 13 SEER cooling efficiency and 7.7 HSPF heating efficiency saves both energy and operating costs every month, making it the ideal choice for residential or light commercial applications. The unique over and under design provides an exact replacement for niche retrofit applications, thereby minimizing installation costs.

Scroll Compressors standard on all models, No crankcase heaters required, R-410A refrigerant, ECM Indoor Blower Motor, Aluminum Finned Copper Coils, Thermal expansion valves, Liquid Line Filter Drier, Solid State Electronic Heat Pump Control, Five Minute Compressor Time Delay, Auto-reset High & Low Pressure Switches, Painted 20 Gauge Zinc Coated Steel Cabinet, Painted 16 Gauge Zinc Coated Unit Base, Top Discharge Outdoor Fan

Model No	Cooling Btu/h	Seer	Heating btu/h(47F)	HSPF	Electric	Breaker(amp)	Weight(lbs)	Price
PH13241-A	21,000	13	20,000	7.7	208/230/60/1	30	350	\$4,094
PH13301-A	28,000	13	28,500	7.7	208/230/60/1	30	375	\$4,443
PH13361-A	33,500	13	35,500	7.7	208/230/60/1	40	375	\$4,663
PH13361-B	33,500	13	35,500	7.7	208/230/60/3	25	375	\$4,928
PH13421-A	41,500	13	44,000	7.7	208/230/60/1	50	460	\$5,262
PH13421-B	41,500	13	44,000	7.7	208/230/60/3	35	460	\$5,489
PH13481-A	45,000	13	45,500	7.7	208/230/60/1	50	460	\$5,421
PH13481-B	45,000	13	45,500	7.7	208/230/60/3	40	460	\$5,649

PACKAGED A/C & HEAT PUMP

OVER AND UNDER

HEAT KITS

Optional field-installed electric heater packages are available for 5 through 20 KW capacities. The heater packages are UL listed to be field-installed into the basic unit. They feature pre-wired control circuit wiring with plug-in connector. Simply slide the heater into the unit, plug in the pretested control circuit and connect the seperate high voltage circuit wiring.

Model No	KW @240 Volts	Volts & Phase	Btu/h @ 240 Volts	Brkr Sz (240/208)	Price
EHP313-A05	5	208/230/60/1	17,100	30/25	\$257
EHP313-A10	10	208/230/60/1	34,100	60/50	\$296
EHP313-A15	15	208/230/60/1	51,200	80/70	\$440
EHP313-B09	9	208/230/60/3	30,700	30/25	\$306
EHP313-B15	15	208/230/60/3	51,200	50/40	\$406

BARD EQUIPMENT

HVAC DISTRIBUTORS INC

BLACK PIPE & FITTINGS

Call or visit one of our 4 locations.

BLACK PIPE & NIPPLES

BLACK PIPE

Part No	Size	Price
BLFPIPE-112X21	1-1/2" x 21FT	\$130
BLFPIPE-114X10	1-1/4" x 10FT	\$50
BLFPIPE-114X21	1-1/4" x 21FT	\$108
BLFPIPE-12X10	1/2" x 10FT	\$23
BLFPIPE-12X21	1/2" x 21FT	\$48
BLFPIPE-1X10	1" x 10FT	\$38
BLFPIPE-1X21	1" x 21FT	\$83
BLFPIPE-2X10	2" x 10FT	\$80
BLFPIPE-2X21	2" x 21FT	\$173
BLFPIPE-34X10	3/4" x 10FT	\$28
BLFPIPE-34X21	3/4" x 21FT	\$58

BLACK PIPE & FITTINGS

HVAC DISTRIBUTORS INC

BLACK PIPE & FITTINGS

Call or visit one of our 4 locations.

NIPPLES

Part No	Size	Price
BLFNIP-112X10	1-1/2" x 10"	\$13
BLFNIP-112X12	1-1/2" x 12"	\$13
BLFNIP-112X18	1-1/2" x 18"	\$20
BLFNIP-112X2	1-1/2" x 2"	\$3
BLFNIP-112X212	1-1/2" x 2-1/2"	\$3
BLFNIP-112X24	1-1/2" x 24"	\$28
BLFNIP-112X3	1-1/2" x 3"	\$5
BLFNIP-112X30	1-1/2" x 30"	\$35
BLFNIP-112X312	1-1/2" x 3-1/2"	\$5
BLFNIP-112X36	1-1/2" x 36"	\$40
BLFNIP-112X4	1-1/2" x 4"	\$5
BLFNIP-112X412	1-1/2" x 4-1/2"	\$5
BLFNIP-112X48	1-1/2" x 18"	\$50
BLFNIP-112X5	1-1/2" x 5"	\$5
BLFNIP-112X512	1-1/2" x 5-1/2"	\$5
BLFNIP-112X6	1-1/2" x 6"	\$5
BLFNIP-112X60	1-1/2" x 60"	\$68
BLFNIP-112X7	1-1/2" x 7"	\$10
BLFNIP-112X8	1-1/2" x 8"	\$10
BLFNIP-112X9	1-1/2" x 9"	\$13
BLFNIP-112XCL	1-1/2" x close	\$3
BLFNIP-112XRUN	1-1/2" x run	\$68
BLFNIP-114X10	1-1/4" x 10"	\$10
BLFNIP-114X12	1-1/4" x 12"	\$10
BLFNIP-114X18	1-1/4" x 18"	\$18
BLFNIP-114X2	1-1/4" x 2"	\$3
BLFNIP-114X212	1-1/4" x 2-1/2"	\$3
BLFNIP-114X24	1-1/4" x 24"	\$25
BLFNIP-114X3	1-1/4" x 3"	\$3
BLFNIP-114X30	1-1/4" x 30"	\$28
BLFNIP-114X312	1-1/4" x 3-1/2"	\$3
BLFNIP-114X36	1-1/4" x 36"	\$33
BLFNIP-114X4	1-1/4" x 4"	\$3
BLFNIP-114X412	1-1/4" x 4-1/2"	\$5
BLFNIP-114X48	1-1/4" x 48"	\$45
BLFNIP-114X5	1-1/4" x 5"	\$5
BLFNIP-114X512	1-1/4" x 5-1/2"	\$5
BLFNIP-114X6	1-1/4" x 6"	\$5
BLFNIP-114X60	1-1/4" x 60"	\$55
BLFNIP-114X7	1-1/4" x 7"	\$8
BLFNIP-114X8	1-1/4" x 8"	\$8
BLFNIP-114X9	1-1/4" x 9"	\$10
BLFNIP-114XCL	1-1/4" x CL	\$3
BLFNIP-114XRUN	1-1/4" x RUN	\$58
BLFNIP-12X10	1/2" x 10"	\$5
BLFNIP-12X112	1/2" x 1-1/2"	\$1
BLFNIP-12X12	1/2" x 12"	\$5
BLFNIP-12X18	1/2" x 18"	\$10
BLFNIP-12X2	1/2" x 2"	\$1
BLFNIP-12X212	1/2" x 2-1/2"	\$3
BLFNIP-12X24	1/2" x 24"	\$13
BLFNIP-12X3	1/2" x 3"	\$3
BLFNIP-12X30	1/2" x 30"	\$15
BLFNIP-12X312	1/2" x 3-1/2"	\$3
BLFNIP-12X36	1/2" x 36"	\$18

BLACK PIPE & FITTINGS

HVAC DISTRIBUTORS INC

BLACK PIPE & FITTINGS

Call or visit one of our 4 locations.

BLACK PIPE & FITTINGS

Part No	Size	Price
BLFNIP-12X412	1/2" x 4-1/2"	\$3
BLFNIP-12X48	1/2" x 48"	\$20
BLFNIP-12X5	1/2" x 5"	\$3
BLFNIP-12X512	1/2" x 5-1/2"	\$3
BLFNIP-12X6	1/2" x 6"	\$3
BLFNIP-12X60	1/2" x 60"	\$25
BLFNIP-12X7	1/2" x 7"	\$5
BLFNIP-12X8	1/2" x 8"	\$5
BLFNIP-12X9	1/2" x 9"	\$5
BLFNIP-12XCL	1/2" x CL	\$1
BLFNIP-12XRUN	1/2" x RUN	\$25
BLFNIP-14X112	1/4" X 1-1/2"	\$3
BLFNIP-14X2	1/4" X 2"	\$3
BLFNIP-14X212	1/4" X 2-1/2"	\$3
BLFNIP-14X3	1/4" X 3"	\$3
BLFNIP-14X312	1/4" X 3-1/2"	\$3
BLFNIP-14X4	1/4" X 4"	\$3
BLFNIP-14X412	1/4" X 4-1/2"	\$5
BLFNIP-14X5	1/4" X 5"	\$5
BLFNIP-14X512	1/4" X 5-1/2"	\$5
BLFNIP-14X6	1/4" X 6"	\$5
BLFNIP-14XCL	1/4" X CL	\$3
BLFNIP-14XRUN	1/4" X RUN	\$48
BLFNIP-18X112	1/8" X 1-1/2"	\$3
BLFNIP-18X2	1/8" X 2"	\$3
BLFNIP-18X212	1/8" X 2-1/2"	\$3
BLFNIP-18X3	1/8" X 3"	\$3
BLFNIP-18X312	1/8" X 3-1/2"	\$3
BLFNIP-18X4	1/8" X 4"	\$3
BLFNIP-18X412	1/8" X 4-1/2"	\$5
BLFNIP-18X5	1/8" X 5"	\$5
BLFNIP-18X512	1/8" X 5-1/2"	\$5
BLFNIP-18X6	1/8" X 6"	\$5
BLFNIP-18XCL	1/8" X CL	\$3
BLFNIP-18XRUN	1/8" X RUN	\$45
BLFNIP-1X10	1" X 10"	\$8
BLFNIP-1X10-1/2	1" X 10-1/2"	\$10
BLFNIP-1X12	1" X 12"	\$10
BLFNIP-1X18	1" X 18"	\$15
BLFNIP-1X2	1" X 2"	\$3
BLFNIP-1X212	1" X 2-1/2"	\$3
BLFNIP-1X24	1" X 24"	\$20
BLFNIP-1X3	1" X 3"	\$3
BLFNIP-1X30	1" X 30"	\$23
BLFNIP-1X312	1" X 3-1/2"	\$3
BLFNIP-1X36	1" X 36"	\$28
BLFNIP-1X4	1" X 4"	\$3
BLFNIP-1X412	1" X 4-1/2"	\$3
BLFNIP-1X48	1" X 48"	\$35
BLFNIP-1X5	1" X 5"	\$3
BLFNIP-1X512	1" X 5-1/2"	\$5
BLFNIP-1X60	1" X 60"	\$43
BLFNIP-1X6-1/2	1" X 6-1/2"	\$8
BLFNIP-1X8	1" X 8"	\$8
BLFNIP-1X8-1/2	1" X 8-1/2"	\$8
BLFNIP-1X9	1" X 9"	\$8

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BLACK PIPE & FITTINGS

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Part No	Size	Price
BLFNIP-1X9-1/2	1" X 9-1/2"	\$8
BLFNIP-1XCL	1" X CL	\$3
BLFNIP-1XRUN	1" X RUN	\$43
BLFNIP-2X10	2" X 10"	\$15
BLFNIP-2X12	2" X 12"	\$18
BLFNIP-2X18	2" X 18"	\$30
BLFNIP-2X212	2" X 2-1/2"	\$5
BLFNIP-2X24	2" X 24"	\$40
BLFNIP-2X3	2" X 3"	\$5
BLFNIP-2X30	2" X 30"	\$45
BLFNIP-2X312	2" X 3-1/2"	\$5
BLFNIP-2X36	2" X 36"	\$53
BLFNIP-2X4	2" X 4"	\$5
BLFNIP-2X412	2" X 4-1/2"	\$8
BLFNIP-2X48	2" X 48"	\$68
BLFNIP-2X5	2" X 5"	\$8
BLFNIP-2X512	2" X 5-1/2"	\$8
BLFNIP-2X6	2" X 6"	\$8
BLFNIP-2X60	2" X 60"	\$88
BLFNIP-2X7	2" X 7"	\$13
BLFNIP-2X8	2" X 8"	\$13
BLFNIP-2X9	2" X 9"	\$15
BLFNIP-2XCL	2" X CL	\$5
BLFNIP-2XRUN	2" X RUN	\$85
BLFNIP-34X10	3/4" X 10"	\$5
BLFNIP-34X11	3/4" X 10"	\$8
BLFNIP-34X112	3/4" X 1-1/2"	\$3
BLFNIP-34X12	3/4" X 12"	\$8
BLFNIP-34X18	3/4" X 18"	\$10
BLFNIP-34X2	3/4" X 2"	\$3
BLFNIP-34X212	3/4" X 2-1/2"	\$3
BLFNIP-34X24	3/4" X 24"	\$15
BLFNIP-34X3	3/4" X 3"	\$3
BLFNIP-34X30	3/4" X 30"	\$18
BLFNIP-34X312	3/4" X 3-1/2"	\$3
BLFNIP-34X36	3/4" X 36"	\$20
BLFNIP-34X4	3/4" X 4"	\$3
BLFNIP-34X412	3/4" X 4-1/2"	\$3
BLFNIP-34X48	3/4" X 48"	\$28
BLFNIP-34X5	3/4" X 5"	\$3
BLFNIP-34X512	3/4" X 5-1/2"	\$3
BLFNIP-34X6	3/4" X 6"	\$3
BLFNIP-34X60	3/4" X 60"	\$33
BLFNIP-34X7	3/4" X 7"	\$5
BLFNIP-34X8	3/4" X 8"	\$5
BLFNIP-34X9	3/4" X 9"	\$5
BLFNIP-34XCL	3/4" X CL	\$3
BLFNIP-34XRUN	3/4" X RUN	\$30
BLFNIP-38X112	3/8" X 1-1/2"	\$3
BLFNIP-38X2	3/8" X 2"	\$3
BLFNIP-38X212	3/8" X 2-1/2"	\$3
BLFNIP-38X3	3/8" X 3"	\$3
BLFNIP-38X312	3/8" X 3-1/2"	\$3
BLFNIP-38X4	3/8" X 4"	\$3
BLFNIP-38X412	3/8" X 4-1/2"	\$5
BLFNIP-38X5	3/8" X 5"	\$5

BLACK PIPE & FITTINGS

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BLACK PIPE & NIPPLES

NIPPLES

Part No	Size	Price
BLFNIP-38X512	3/8" X 5-1/2"	\$5
BLFNIP-38X6	3/8" X 6"	\$5
BLFNIP-38XCL	3/8" X CL	\$3
BLFNIP-38XRUN	3/8" X RUN	\$50

BLACK PIPE FITTINGS

ELBOWS & TEES

ELBOWS, 45 DEGREE



Part No	Size (Inch)	Price
BLF45-1	1	\$3
BLF45-112	1-1/2	\$8
BLF45-114	1-1/4	\$5
BLF45-12	1/2	\$3
BLF45-14	1/4	\$3
BLF45-18	1/8	\$3
BLF45-2	2	\$10
BLF45-34	3/4	\$3
BLF45-38	3/8	\$3

ELBOWS 90 DEGREE



Part No	Size (Inch)	Price
BLF90-1	1	\$3
BLF90-112	1-1/2	\$5
BLF90-112X114	1-1/2 X 1-1/4	\$10
BLF90-114	1-1/4	\$5
BLF90-114X1	1-1/4 X 1	\$5
BLF90-12	1/2	\$1
BLF90-12X38	1/2 X 3/8	\$3
BLF90-14	1/4	\$3
BLF90-18	1/8	\$3
BLF90-1X12	1 X 1/2	\$3
BLF90-1X34	1 X 3/4	\$3
BLF90-2	2	\$10
BLF90-2X112	2 X 1-1/2	\$13
BLF90-3/4X1/2	3/4 X 1/2	\$3
BLF90-34	3/4	\$3
BLF90-38	3/8	\$3

STREET ELBOWS, 45 DEGREE



Part No	Size (Inch)	Price
BLF45ST-1	1	\$5
BLF45ST-12	1/2	\$3
BLF45ST-34	3/4	\$5
BLF45ST-38	3/8	\$3

HVAC DISTRIBUTORS INC

BLACK PIPE & FITTINGS

Call or visit one of our 4 locations.

BLACK PIPE FITTINGS

ELBOWS & TEES

STREET ELBOWS 90 DEGREE



Part No	Size (Inch)	Price
BLF90ST-1	1	\$5
BLF90ST-112	1-1/2	\$8
BLF90ST-114	1-1/4	\$8
BLF90ST-12	1/2	\$3
BLF90ST-14	1/4	\$3
BLF90ST-18	1/8	\$3
BLF90ST-2	2	\$13
BLF90ST-34	3/4	\$3
BLF90ST-38	3/8	\$3

TEES



Part No	Size (Inch)	Price
BLFTEE-1	1	\$5
BLFTEE-112	1-1/2	\$10
BLFTEE-114	1-1/4	\$8
BLFTEE-12	1/2	\$1
BLFTEE-14	1/4	\$3
BLFTEE-18	1/8	\$3
BLFTEE-2	2	\$15
BLFTEE-34	3/4	\$3
BLFTEE-38	3/8	\$3

TEES, REDUCING



Part No	Size (Inch)	Price
BLFTEE-11114	1 x 1 x 1-1/4	\$10
BLFTEE-11112	1 x 1 x 1/2	\$5
BLFTEE-11211212	1-1/2 x 1-1/2 x 1/2	\$10
BLFTEE-11211234	1-1/2 x 1-1/2 x 3/4	\$10
BLFTEE-11212	1 x 1/2 x 1/2	\$5
BLFTEE-1134	1 x 1 x 3/4	\$5
BLFTEE-1141141	1-1/4 x 1-1/4 x 1	\$8
BLFTEE-11411412	1-1/4 x 1-1/4 x 1/2	\$10
BLFTEE-11411434	1-1/4 x 1-1/4 x 3/4	\$8
BLFTEE-11434114	1-1/4 x 3/4 x 1-1/4	\$10
BLFTEE-13412	1 x 3/4 x 1/2	\$5
BLFTEE-13434	1 x 3/4 x 3/4	\$5
BLFTEE-2x2x1	2 x 2 x 1	\$15
BLFTEE-2x2x114	2 x 2 x 1-1/4	\$18
BLFTEE-341212	3/4 x 1/2 x 1/2	\$5
BLFTEE-343412	3/4 x 3/4 x 1/2	\$3

BLACK PIPE & FITTINGS

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BLACK PIPE FITTINGS

MISCELLANEOUS FITTINGS

CAPS



Part No	Size (Inch)	Price
BLFCAP-1	1	\$3
BLFCAP-112	1-1/2	\$5
BLFCAP-114	1-1/4	\$3
BLFCAP-12	1/2	\$1
BLFCAP-14	1/4	\$3
BLFCAP-18	1/8	\$3
BLFCAP-2	2	\$5
BLFCAP-34	3/4	\$3
BLFCAP-38	3/8	\$1

CROSSES



Part No	Size (Inch)	Price
BLFCROSS-1	1	\$8
BLFCROSS-114	1-1/4	\$10

FLOOR FLANGES



Part No	Size (Inch)	Price
BLFFLFLG-114	1 1/4	\$8
BLFFLFLG-12	1/2	\$8

PLUGS/SQUARE HEAD



Part No	Size (Inch)	Price
BLFPLUG-1	1	\$3
BLFPLUG-112	1-1/2	\$3
BLFPLUG-114	1-1/4	\$3
BLFPLUG-12	1/2	\$1
BLFPLUG-14	1/4	\$3
BLFPLUG-18	1/8	\$3
BLFPLUG-2	2	\$3
BLFPLUG-34	3/4	\$1
BLFPLUG-38	3/8	\$1

BLACK PIPE & FITTINGS

HVAC DISTRIBUTORS INC

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BLACK PIPE FITTINGS

MISCELLANEOUS FITTINGS

REDUCING COUPLINGS



Part No	Size (Inch)	Price
BLFRED-112X1	1-1/2 x 1	\$8
BLFRED-112X1	1-1/2 x 1	\$8
BLFRED-112X114	1-1/2 x 1-1/4	\$5
BLFRED-112X34	1-1/2 x 3/4	\$8
BLFRED-114X1	1-1/4 x 1	\$5
BLFRED-114x12	1-1/4 x 1/2	\$5
BLFRED-114x34	1-1/4 x 3/4	\$5
BLFRED-12x14	1/2 x 1/4	\$3
BLFRED-12x38	1/2 x 3/8	\$3
BLFRED-14x18	1/4 x 1/8	\$3
BLFRED-1x12	1 x 1/2	\$3
BLFRED-1x34	1 x 3/4	\$3
BLFRED-2X1	2 x 1	\$8
BLFRED-2X112	2 x 1-1/2	\$8
BLFRED-2X114	2 x 1-1/4	\$10
BLFRED-2X34	2 x 3/4	\$10
BLFRED-34x12	3/4 x 1/2	\$3
BLFRED-38x14	3/8 x 1/4	\$3

COUPLINGS



Part No	Size (Inch)	Price
BLFCOUP-1	1	\$3
BLFCOUP-112	1-1/2	\$5
BLFCOUP-114	1-1/4	\$5
BLFCOUP-12	1/2	\$3
BLFCOUP-14	1/4	\$3
BLFCOUP-18	1/8	\$3
BLFCOUP-2	2	\$8
BLFCOUP-34	3/4	\$3
BLFCOUP-38	3/8	\$3
GVFDRCOUP-34	3/4	\$13

UNIONS



Part No	Size (Inch)	Price
BLFUNION-1	1	\$8
BLFUNION-112	1-1/2	\$15
BLFUNION-114	1-1/4	\$13
BLFUNION-12	1/2	\$5
BLFUNION-2	2	\$20
BLFUNION-34	3/4	\$5
BLFUNION-38	3/8	\$5

DIVERSITECH

TEFLON TAPE



Made of pure white Teflon. Non-toxic. For use with chemicals, solvents, oxygen, and on food lines. Withstands up to 2000 psi of pressure.

Part No	Description	Price
6-734	1/2" x 310" Teflon Tape	\$1

HVAC DISTRIBUTORS INC

BLACK PIPE & FITTINGS

Call or visit one of our 4 locations.

RECTORSEAL CORPORATION

RECTORSEAL T PLUS 2

PIPE THREAD SEALANT WITH TEFLON



RectorSeal T Plus is a non-hardening thread sealant containing Teflon* plus synthetic fibers. These fibers dispersed in a resinous base combined with inert mineral fillers provide maximum sealing performance. Its low coefficient of friction allows tighter joint makeup with lower torque. It also breaks out easily without galling, seizing, or damaging threads. It is excellent for service where immediate pressurization is necessary. RectorSeal® T Plus 2® is non-toxic in accordance with NSF Standard 61. In addition, it is approved and listed with the Canadian Standards Association (CSA).

- Teflon* enriched
- Allows immediate pressurization
- For use with potable water (hot or cold)
- Non-setting and will not dry out in the can
- Formulated for plastic and metal pipe
- Smooth easy application
- Non-flammable
- Non-staining and non-separating
- Lubricates and protects threads
- Low odor
- Lead free and contains no other metals
- Temperature Service range of -15 degree F to 450 degree F
- For pressures up to 10,000 psi (liquids) and 2,000 psi (gases)
- Multipurpose

Part No	Size	Qty per case	Price
23431	Pint brush top (473 ml)	12 cans	\$35

RECTORSEAL NO. 5

PREMIUM PIPE THREAD SEALANT



RectorSeal No. 5 is our most popular thread sealant. It has withstood the test of time in a variety of uses and is widely known as the "standard of the industry." RectorSeal No. 5 is a soft setting, slow drying thread sealant made from special inert fillers dispersed in an oleoresinous base to facilitate its application to threaded pipe connections. RectorSeal No. 5 is a unique, versatile and reliable sealant that is non-toxic in accordance with NSF Standard 61. In addition, it is Underwriters Laboratories Inc. (UL) classified, listed under the Uniform Plumbing Code (IAPMO) File No. 1282, and it is approved and listed with the Canadian Standards Association (CSA).

- For use with potable water (hot or cold)
- Soft setting, slow drying
- Will not dry out in the can
- Immediate pressurization on pipe up to 2" and 100 psi
- Smooth easy application
- Economical - requires only a small amount
- Lubricates and protects threads
- Lead free and contains no other metals
- Brushable from 20 degree F to 140 degree F
- Multipurpose - wide range of service uses
- Temperature service range of -50 degree F to 400 degree F
- For pressure up to 12,000 psi (liquids) and 2,600 psi (gases)
- Permits easy break out with no damage to threads
- Reduces friction to allow tighter joint makeup

Part No	Size	Qty per case	Price
25551	1/2 pint brush top (237 ml)	24 cans	\$23

BLACK PIPE & FITTINGS

CHEMICALS**ACE****ACEFOAM****EXPANDING POLYURETHANE SEALANT****FEATURES & BENEFITS**

- UL Listed #R13919 Caulking and Sealants. Flame Spread 20; Smoke developed 70.
- One 12oz can yields approximately 1760ft @1/4" bead
- Complies ASTM E-84.

Part No	Appearance	Color	Flash Point °F	Price
FMA-JR	Viscous Liquid	Off White to Yellow	800°F	\$18
FMA-JR	Viscous Liquid	Off White to Yellow	800°F	\$18
FMA-JR	Viscous Liquid	Off White to Yellow	800°F	\$18

ALKALINE COIL CLEANER (ACC)**FOAMING NON-ACID CONDENSER COIL CLEANER****FEATURES & BENEFITS**

- Excellent grease-cutter cleans and brightens in one-step
- Foaming action penetrates and cleans multi-row coils.
- Authorized by the USDA use in federally inspected meat and poultry establishments

Part No	Appearance	Color	Price
ACC-1	Clear Liquid	Blue	\$40

BIO-KLEAN AEROSOL (BKA)**BIO-ENZYMATIC AEROSOL COIL & DRAIN PAN CLEANER****FEATURES & BENEFITS**

- No-Rinse Formula - leave on evaporator coil for condensate to wash off.
- Contains "live enzymes" - keeps drain pans and lines clean, block and odor-free.
- Bio-enzymatic action-destroys mold/fungus stains and odors.
- Pleasant citrus fragrance - deodorizes as it cleans.
- Ideal for hard to reach places - wall and window air conditioners, refrigerators, ice machines, freezers, etc.

Part No	Appearance	Color	Price
BKA	Thick Foam	White	\$28

CONDENSERKOTE**POLYELASTOMER AEROSOL COIL PROTECTANT****FEATURES & BENEFITS**

- Does not affect heat transfer
- Effective across entire pH range - use in acidic or alkaline conditions.
- Available in clear or blue.
- Flexible coating - will not crack or peel...like acrylic coatings.
- Protects against salt air attack - ideal for use in coastal areas.

Part No	Appearance	Color	Packaging	Flash Point °F	Price
CKA	Liquid	Blue or Clear	12x22oz (net 16oz)/case	~100°F	\$58

CHEMICALS

ACE

COOLING COIL CLEANER

NON-RINSE EVAPORATOR CLEANER



FEATURES & BENEFITS

- Non-rinse formula when diluted 1-7 with water - leave for condensate to
- Concentrated formula - cost effective performance.
- Recommended for interior cleaning - ideal for residential maintenance use.

Part No	Appearance	Color	Packaging	Price
CCL-1	Clear Liquid	Green	4x1-gallon bottles/case /5-gallon pail/55-gallon drum	\$35

DETERGENT TABS

DRAIN PAN MAINTAINERS



FEATURES & BENEFITS

- Non-Corrosive - safe for use in computer rooms
- Controls scale and sludge - eliminates foul odors, prevents drain pan overflow.

Part No	Appearance	Color	Price
DPT-8	Tablet	Off White	\$15
DT-2	Tablet	Off White	\$45
DT-JR	Tablet	Off White	\$65

ENVIRO-SAFE

NEUTRAL PH COIL CLEANER



FEATURES & BENEFITS

- Neutral pH Cleaner, Degreaser and Deodorizer - ideal for use in hospitals, schools and industrial facilities.
- Will not increase or decrease pH of wastewater - use in facilities where wastewater run-off is monitored.
- Non-acid, non-alkaline formula - safe to use, Environmentally friendly formula.

Part No	Appearance	Color	Price
ECS-1	Clear Liquid	Colorless	\$35

FASTFIND

SPRAY-ON LEAK DETECTOR



FEATURES & BENEFITS

- Easy-to-use formula for hard to reach leaks.
- Surfactant-based - locates even microscopic leaks.

Part No	Appearance	Color	Packaging	Price
FFD-1	Viscous Liquid	Blue	4x1 gallon bottles/case	\$65
FFD-32	Viscous Liquid	Blue	12x32oz bottles/case	\$20

FOAM BLAST

HD FOAMING AEROSOL CLEANER & DEGREASER



FEATURES & BENEFITS

- Unique "Foam Gun" spray action.
- Produces thick, clinging foam.
- Quickly breaks down grease and grime.
- Deodorizes as it cleans.

Part No	Appearance	Color	Flammability	Price
FBA	Spray Foam	White	Non-Flammable	\$28

ACE
FOAM N CLEAN

HIGH FOAMING NON-ACID CONDENSER COIL CLEANER



- FEATURES & BENEFITS
- Acid-Like Performance... without the danger of hydrofluoric acid.
 - Excellent grease-cutting capability.
 - High foaming action - penetrates deep into multi-row coils to foam out dirt, grease and grime.
 - One step cleaner - cleans, brightens and deodorizes.

Part No	Appearance	Color	Price
FNC-1	Clear Liquid	Dark Brown	\$38
FNC-5	Clear Liquid	Dark Brown	\$190

FRESH-AIRE
HVAC MALODOR COUNTERACTANT



- FEATURES & BENEFITS
- Easy-to-Use - "Mist" directly into the air-stream of the duct system. Can also be applied to the A/C system's air filter or to the condensate drain pan. Also use to freshen stale room air by spraying into the room space.
 - Chemically reacts with odor to neutralize odor at source - eliminates odors from tobacco, cooking, mold and mildew, etc
 - Effective deodorizer - contains pleasant "Lavender" scent.

Part No	Appearance	Color	Packaging	Price
AFA-1	Clear Liquid	None	4x1 gallons per case	\$60

HEATSHIELD PASTE
INSULATING PASTE FOR SOLDERING & WELDING APPLICATIONS



- FEATURES & BENEFITS
- Simple to use. Spray directly on to area to be treated.
 - Safe to use non-toxic, non-corrosive formula.

Part No	Appearance	Color	Price
HSP16	Paste	White	\$35

HEAVY DUTY COIL CLEANER
CONCENTRATED ALKALINE DETERGENT CLEANER



- FEATURES & BENEFITS
- Heavy-duty detergent - excellent grease and tobacco smoke residue remover.
 - Concentrated formula - cost effective performance.
 - Recommended for interior or exterior cleaning - ideal for use on tough evaporator cleaning jobs in kitchens, restaurants, etc.

Part No	Appearance	Color	Price
HDC-1	Clear Liquid	Yellow	\$48

HOSES, WATER NOZZLES, SPRAYERS
ACE 1000P COIL CLEANING SPRAYER



Part No	Description	Price
1000P	Heavy-duty 1 gallon acid resistant polypropylene sprayer.	\$128
2000P	Heavy-duty 2 gallon acid resistant polypropylene sprayer with a full 1.5 gallon working capacity.	\$150

CHEMICALS**ACE****HOSE/WAND ASSY**

Part No	Description	Price
1910AEA	HOSE/WAND ASSY. 1000P 2000P	\$80

HOSES, WATER NOZZLES, SPRAYERS**ACE COIL CLEANING GUN**

For use with ACE Coil Cleaners to produce a powerful, high foaming cleaning spray. Simply attach the ACE Coil Cleaning Gun to a water hose and add ACE Coil Cleaner to the chemical reservoir. Then select the chemical ratio required before applying to the coil to be treated. Saves time, no mixing required.

Part No	Description	Price
CSG	ACE Coil Cleaning Gun	\$205

ACE HS 1 SPRAYER

Part No	Description	Price
HS1	Commercial 1 quart capacity hand sprayer suitable for most applications.	\$668

ICE MACHINE SANITIZER**EPA REGISTERED CLEANER****FEATURES & BENEFITS**

- Keeps Ice Machines slime and odor free.
- Concentrated formula - economical in use.
- Registered for use with EPA.

Part No	Appearance	Color	Price
IMS	Clear Liquid	None	\$55

KWIK KLEAN**GP BUTYL CLEANER & DEGREASER****FEATURES & BENEFITS**

- Excellent grease-cutter cleans and brightens in one-step.
- Foaming action penetrates and cleans multi-row coils.
- Authorized by the USDA for use in federally inspected meat and poultry establishments.

Part No	Appearance	Color	Price
KWK-32	Clear Liquid	Purple	\$15

ACE

LIME-OUT

ALL PURPOSE SCALE REMOVER



- FEATURES & BENEFITS
- Concentrated formula - cost effective.
 - Safer to Use than Muriatic Acid.

Part No	Appearance	Color	Price
LIM-1	Liquid	Clear	\$60
LIM-16	Liquid	Clear	\$23

MICROSHIELD

ANTI-MICROBIAL EVAPORATOR COIL COATING



- FEATURES & BENEFITS
- Contains EPA registered biocide - prevents bacterial, algae, fungal, mold and mildew growth on evaporator coils.
 - Durable polyelastomer coating - lasts up to 12 months, etc.

Part No	Appearance	Color	Price
MSH-32	Opaque Liquid	Clear	\$30

MINERAL OIL

BVA



Part No	Viscosity @				Floc Point °F	Pour Point °F	Flash Point °F	Price
	40°C cSt	100°C cSt	100°F SUS					
BVA-3	29.55	4.43	154		-60	-50	345	\$58
BVA-4	64.94	6.76	330		-55	-35	385	\$58

NICKEL SAFE ICE

MACHINE CLEANER



- FEATURES & BENEFITS
- Formulated to protected nickel plating and other soft metals.
 - Concentrated formula - economical to use.

Part No	Appearance	Color	Packaging	Price
NSC	Liquid	None	4x1 gallon bottles/case	\$53

CHEMICALS

ACE

PAN PROTECTORS

SIX-MONTH DRAIN PAN TREATMENT



FEATURES & BENEFITS

- Prevents bacterial, algae, fungal, mold and mildew growth to keep drain pan and lines odor/block-free - prevents pan overflows, etc.
- Slow-release formula - lasts up to six months.
- Contains quaternary ammonium compounds - eliminates offensive odors.

Part No	Appearance	Color	Price
TR14-1	Solid Block	Yellow Sock	\$123
TR150-10T	Solid Block	Yellow Sock	\$120
TR28-2T	Solid Block	Yellow Sock	\$113
TR65-5T	Solid Block	Yellow Sock	\$105

Available sizes

TR14 (under 1 ton)
 TR28 (under 2 tons)
 TR65 (3-5 tons)
 TR150 (5-10 tons)

POWER BLAST

SOLVENT AEROSOL COIL CLEANER



FEATURES & BENEFITS

- Effective degreaser - Powerful spray action "blasts away" contamination.
- Safe to use - Non-flammable spray.
- Fast drying - No Rinsing Required.

Part No	Appearance	Color	Flash Point °F	Price
CCA	Liquid	Clear	~100°F	\$64

SUPER DEGREASING SOLVENT

HIGH PERFORMANCE PARTS CLEANER



FEATURES & BENEFITS

- High dielectric strength 20,000 volts +.
- Safe-to-Use Non-toxic, Non-combustible.
- Contains deodorizer pleasant to use.

Part No	Appearance	Color	Price
SDS	Clear Liquid	Vanilla	\$90

SUPREME COIL CLEANER

ACID-BASED CONDENSER COIL CLEANER



FEATURES & BENEFITS

- Fast-acting, high foaming action - cleans and brightens coils to "like new" condition.
- Concentrated formula - cost effective performance.
- Recommended for exterior condenser use only

Part No	Appearance	Color	Packaging	Price
CSF-1	Clear Liquid	Pink	4x1-gallon bottles/case 5-gallon pail / 55-gallon drum	\$40

CHEMICALS**ACE****SYSTEM FLUSHING PRODUCTS****ACE FLUSH INJECTION TOOL**

Flush contaminated HVAC/R systems quickly, easily and economically with Ace Flush Injection Tool. Re-usable tank comes with an injection gun that allows user to inject system without need for access valves or manifold gauges. Uses dry nitrogen propellant (not supplied) for delivery system. Holds enough Ace Power Flush to do a 20 ton system.

Part No	Description	Size	Price
AFT	Ace Flush Injection Tool	32 OZ	\$260

ACE POWER FLUSH (APF)

Powerful ozone-friendly solvent for flushing HVAC/R systems after compressor burn-outs and during retrofits / oil changes. Leaves no residue and is safe for use with systems using all oils and refrigerants. Ace Power Flush is approved under the EPA's S.N.A.P program and is non-flammable. Use with Ace Flush Injection Tool (AFT).

Part No	Description	Price
APF-16	16 oz	\$309

FLUSH KIT

RX-11-flush is an ozone-safe solvent engineered specifically for flushing refrigeration and air conditioning systems. Used exactly like the old R-11 flushing process, RX-11 is strong enough to rinse away particulate, sludge, carbon residues, acids, oils and water. It enhances system service and avoids the need for time-consuming repeat visits. RX-11-flush should become an Integral part of standard procedures for any major system repair, oil change-out or retrofit.

Part No	Description	Contents	Price
4300-10	RX11 FLUSH KIT	Injection tool & 2 1lb cans	\$768
4300-11	Refill	1 2lb can	\$330

RECTORSEAL**8-WAY™****COMPLETE BOILER WATER TREATMENT**

8-WAY™ is a complete boiler water treatment for steam and hot water systems. 8-WAY™: 1) Removes sludge. 2) Removes rust scale. 3) Inhibits boiler corrosion. 4) Inhibits steam line corrosion. 5) Prevents oxygen pitting. 6) Inhibits lime scale. 7) Prevents surging and foaming. 8) Controls pH with color indicator.

CHARACTERISTICS

- Nonchromate - Biodegradable
- Will not harm seals or gaskets
- Contains no petroleum distillates
- Color coded cure

Part No	Size	Qty/Case	Price
68712	Quart	12	\$18
68714	Gallon	4	\$68

CHEMICALS

RECTORSEAL

COIL BOIL™

COIL CLEANER AND BOILER WATER CONDITIONER



COIL BOIL™ is a hot water coil cleaner. It removes insulating oxide films and clinging deposits from the outside of tankless and side-arm heater coils. It remains in the boiler to inhibit corrosion and scale.

CHARACTERISTICS

- Cleans outside of hot water coils
- Contains no petroleum distillates
- Inhibits corrosion in steam boilers
- Will not harm seals or gaskets

Part No	Size	Qty/Case	Price
68702	16 oz. tub	12	\$23

CONTAX™ LIQUID BURNISHER

CONTACT CLEANER



CONTAX™ LIQUID BURNISHER is an electrical contact point cleaner. CONTAX™ LIQUID BURNISHER flushes off metallic oxides caused by moisture, arcing, greasy films or dirt.

Non-conductive up to 40KV, and is non-toxic. CONTAX™ LIQUID BURNISHER dries instantly and leaves no residue. It comes with an extension tube for pin-point spraying.

CHARACTERISTICS

- Non-flammable
- Non-conductive
- Preserves contacts
- Fast Drying
- Leaves no residue

Part No	Size	Qty/Case	Price
88414	14 ounce aerosol	12	\$43

GRIME-SOLV™

FOAMING HEAVY DUTY CLEANER AND DEGREASER



GRIME-SOLV™ is a foaming, heavy duty, cleaner and degreaser, for use on marine and automotive engines, heating, air conditioning and refrigeration equipment, and all types of machinery that can be rinsed with water or wiped with a rag. The foam holds the cleaning agents where sprayed, concentrating the powerful emulsifiable chemicals to lift off dirt and grease.

CHARACTERISTICS

- Non-flammable
- Non-corrosive
- Wipes clean or rinses with water
- Safe for metals
- Excellent cleaner/degreaser

Part No	Size	Qty/Case	Price
88436	14 ounce aerosol	12	\$23

LIQUID DESCALIT

ACID BASED CLEANER



LIQUID DESCALIT™ is an economic all-purpose lime scale dissolver for use on problem scales found in cooling and heating equipment. LIQUID DESCALIT™ contains patented corrosion inhibitors, anti-foaming agents and a color indicator to tell product strength.

CHARACTERISTICS

- Contains patented corrosion inhibitors
- Contains anti-foaming agents
- Removes lime scale
- Contains color indicator

Part No	Size	Qty/Case	Price
LIM-1	Gallon	4	\$60

CHEMICALS**RECTORSEAL**

NEUTRODATM POWDER

FUEL OIL DEODORIZER AND ABSORBENT



NEUTRODA™ Powder eliminates oil odors and absorbs oil stains from concrete and other floors. Leaves a pleasant odor after absorbing oil from spills and leaks. Sifter top can for controlled economical usage and clean storage.

CHARACTERISTICS

- Absorbs and deodorizes after spills and leaks
- Non explosive
- Pleasant odor
- Non flammable

Part No	Size	Qty/Case	Price
68502	1 Lb.	12	\$20

ODORGONTM SPRAY

FUEL OIL DEODORIZER



ODORGON™ Spray eliminates oil and other industrial odors. The spray covers vertical surfaces as well as hard-to-get-at corners. ODORGON™ Spray has a pleasant, mild fragrance that does not linger.

CHARACTERISTICS

- Deodorizes after spills and leaks
- Non flammable
- Pleasant odor
- Easy to use

Part No	Size	Qty/Case	Price
68516	14 Oz. Aerosol	12	\$18

PYROSEALTM

FURNACE AND RETORT CEMENT



PYROSEAL™ is a non-asbestos furnace and retort cement. It is smooth, creamy, easy spreading and sticks where you put it. PYROSEAL™ exhibits superior performance in bonding, controlled expansion and contraction to avoid shrinking and cracking. It is easy to apply even in low, below freezing temperatures.

CHARACTERISTICS

- Contains no asbestos or OSHA restricted fibers
- Low freezing point
- Shrink and crack proof
- Fire proof and acid resistant

Part No	Size	Qty/Case	Price
68616	6 Lbs.	8	\$23

SOOTOMAGICTM

THROW-IN SOOT REMOVER



SOOTOMAGIC™ is the original soot stick. SOOTOMAGIC™ destroys soot by high temperature ignition, catalytic low temperature ignition and a residual soot removal coating that works even after the stick is consumed.

CHARACTERISTICS

- Removes insulating soot
- Non-corrosive
- Fits through all combustion chamber openings.
- Contains no lead
- Non-explosive

Part No	Size	Qty/Case	Price
68332	¼ lb. Stick	48	\$5

CHEMICALS

RECTORSEAL

SOOTSPRAY™

AEROSOL SOOT REMOVER



SOOTSPRAY™ is the original soot remover aerosol. SOOTSPRAY™ removes soot from oil, gas, coal or wood burning heating units. It reaches where vacuum cleaners cannot and causes the catalytic burning of the soot by reducing its ignition point down to normal equipment temperatures.

CHARACTERISTICS

- Removes insulating soot
- Non flammable
- Connecticut approved
- Contains no lead
- Non explosive
- Environmentally Friendly

Part No	Size	Qty/Case	Price
68342	14 Oz. Aerosol	12	\$20

ZIPPTM

QUICK DRYING SAFETY DEGREASER



ZIPPTM is a quick drying safety solvent degreaser that instantly removes grease, oil, waxes, tar, gums, grime, dirt, carbon, greasy stains, bilge slime and similar soils from most hard surfaces. It may be used on oil burner parts, compressors, refrigeration units, greasy fan blades, strainers, engines, stoves, relay contact points and electrical equipment. It will not short out electrical equipment.

CHARACTERISTICS

- Non-flammable
- Non-conductive
- Leaves no residue
- Fast Drying
- Excellent cleaner/degreaser

Part No	Size	Qty/Case	Price
82642	14 ounce aerosol	12	\$18

ENVIRONMENTALLY SAFER QUICK DRYING DEGREASER



Part No	Size	Qty/Case	Price
82645	12 oz. aerosol	12	\$30

CONCENTRATED FUEL TANK WATER DISPERSANT



Part No	Size	Qty/Case	Cu Ft/Case	Price
0205D	Pint	12	0.48	\$23

YEAR ROUND FUEL TREATMENT



Part No	Size	Qty/Case	Price
86322	16 fl. oz	12	\$20

RECTORSEAL

COMPRESSOR BURNOUT ACID NEUTRALIZER



Part No	Size	Qty per case	Price
45004	4 fl. oz. (118 ml) sealed plastic bottle in its own box	12	\$50

HIGH TEMPERATURE ANTI-SEIZE AND LUBRICANT



Part No	Size	Qty per case	Price
72851	8 oz. brush top (227 g)	12 cans	\$28

DIRT AND GREASE STRIPPER



Part No	Size	Qty per case	Price
88438	20 oz. (568 g)	12	\$28

LETS-GO

PENETRANT, LUBRICANT AND FREEZE-UP PREVENTER



LETSGO™ covers metal surfaces with a clinging, tough, long-lasting film of lubricant. The wetting power acts quickly on badly rusted and seized parts. LETSGO™ penetrates lacquer and paint too. It displaces moisture from wiring and equipment, and continues to protect from water and weather.

CHARACTERISTICS

- * Quickly loosens frozen bolts, nuts and joints
- * Protects from water and weather
- * Non-conductive

Part No	Size	Qty per case	Price
73012	12 ounce aerosol	12	\$15

MAGNE-PATCH

INSTANT REPAIR FOR SMALL LEAKS IN STEEL TANKS



MAGNE-PATCH™ instantly stops small leaks in steel tanks and drums. It is a powerful permanent magnet assembly that holds a flexible, chemical resistant plug against a tank with a small leak. With MAGNE-PATCH™ damaging and potentially dangerous product leakage is controlled.

CHARACTERISTICS

- * Provides temporary repair
- * Helps avoid serious spills.
- * Saves time

Part No	Size	Qty per case	Price
68442	Blister card (In display carton)	12	\$43

CHEMICALS**RECTORSEAL**

SLUDGEMASTER PLUS

FUEL OIL ADDITIVE



SLUDGEMASTER™ PLUS is a fuel oil additive for all grades of fuel oil. It prevents and disperses sludge and rust in fuel oil tanks. SLUDGEMASTER™ PLUS gradually liquefies sludge in the fuel tank and removes sludge accumulations in filters, pump screens and nozzles. It also causes water condensate to be consumed by the burner and helps protect the tank from corrosion.

CHARACTERISTICS

- * Helps prevent ice
- * Helps remove sludge and water
- * Helps save fuel
- * Helps eliminate extra service calls

Part No	Size	Qty per case	Price
68452	Quart	12	\$23

SURGEMASTER

STEAM BOILER TREATMENT



SURGEMASTER™ acts to eliminate the causes of priming, surging, and foaming by coagulating and precipitating organic impurities such as algae, cutting oil, and the protective coating placed by manufacturers in new boilers. A special corrosion inhibitor dissolves gases, and therefore prevents the formation of corrosion acids, which pit metal and create rust.

CHARACTERISTICS

- * Cures and prevents surging and priming
- * Inhibits corrosion within 15 minutes
- * Produces clean, dry steam and steady water gauge.
- * Contains no petroleum distillates
- * Will not harm seals or gaskets
- * Color coded for accurate dosage

Part No	Size	Qty per case	Price
68452	1 QT	12	\$23

RECTORSEAL PLUMBER'S GREASE



Part No	Size	Qty per case	Price
50811	2 Oz.	12	\$5

RECTORSEAL PLUMBER'S PUTTY



Plumber's Putty is specially formulated to remain soft and pliable, yet it will not stick to hands or fingertips. It will not shrink, crack, crumble, sag, or dry out in the container.

Part No	Size	Qty per case	Price
97132	14 ounce	24	\$5

CHEMICALS

THE NOBLE COMPANY

FLUID ACCESSORIES

INHIBITOR BOOST



NOBURST ® INHIBITOR BOOST replenishes the corrosion protection of the fluid and adds extra protection to systems expected to see severe operating environments.

All NOBURST products should be used by contractors familiar with the servicing of hydronic heating and cooling systems.

Note: INHIBITOR BOOST is NOT to be used with NOBURST AL. Only use with Noburst -100, Super Noburst, Noburst LC and Noburst CLT.

Part No	Description	Price
INHIBBST-1	NOBURST ® INHIBITOR BOOST	\$23

NOBURST PROPYLENE GLYCOL

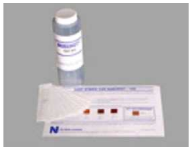


NOBURST® E-3 Defoaming Agent when needed, safely and efficiently knocks down foam created when air is injected into the fluid during system fill.

NOBURST E-3 Defoaming Agent and NOBURST Hydronic Antifreeze should be used by contractors familiar with the servicing of hydronic heating and cooling systems.

Part No	Size	Price
NOBURST-1GAL	1GAL	\$40
NOBURST-5GAL	5GAL	\$200

TEST KIT



NOBURST® Test Kit strips provide the most economical and rapid field test for the FREEZE POINT and CORROSION protection of NOBURST nontoxic antifreeze solutions.

NOTE: NOT to be used with NOBURST AL

Part No	Description	Price
NOBURST-TEST	NOBURST® Test Kit	\$30

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CHEMICALS

Call or visit one of our 4 locations.

MARS ACCESSORY PRODUCTS

CRC MAINTENANCE PRODUCTS

CRC TEFLON POWER LUBE



Part No	Description	Price
93212	Power Lube® Teflon Lubricant, 11 oz.	\$20

WD-40



Part No	Description	Case Qty	Price
79012	WD-40 11 oz. spray	12	\$10

MARS ZOOM SPOUT® PRODUCTS



Part No	Description	Case Qty	Price
93241	Rust Buster 4 oz.	72	\$3
93240	Zoom Spout® Oiler 4 oz.	72	\$3



Part No	Description	Case Qty	Price
93267	foam sealant 24 oz.	12	\$25

CHEMICALS

COPPER TUBING



Part No	Normal Size Inches	Length	Price
COPTUBE-L-1/2	1/2	20ft	\$90
COPTUBE-L-3/4	3/4	20ft	\$155
COPTUBE-M-1	1	20ft	\$155
COPTUBE-M-1-1/2	1-1/2	20ft	\$320
COPTUBE-M-1-1/4	1-1/4	20ft	\$228
COPTUBE-M-3/4	3/4	20ft	\$103
COPTUBE-S-L-1/4	1/4	20ft	\$155
COPTUBE-S-L-3/8	3/8	20ft	\$263

COPPER FITTINGS

45° ELBOW (C X C)



Part No	Nominal Size (inch)	Price
CO45-1	1	\$8
CO45-1/2	1/2	\$3
CO45-1-1/2	1-1/2	\$15
CO45-1-1/4	1-1/4	\$13
CO45-3/4	3/4	\$3
CO45-3/8	3/8	\$5
CO45ST-1	1 STREET	\$10
CO45ST-1/2	1/2 STREET	\$3
CO45ST-1-1/4	1-1/4 STREET	\$15
CO45ST-3/4	3/4 STREET	\$3

90 DEG. ELLS C X F



Part No	Nominal Size	Price
CO90CF-1/2	1/2	\$5
CO90CF-1/2X3/4	1/2 X 3/4	\$18

90 DEG. ELLS C X M



Part No	Nominal Size (inch)	Price
CO90CM-1	1	\$20
CO90CM-12	1/2	\$10
CO90CM-12x34	1/2 x 3/4	\$13
CO90CM-34	3/4	\$13

90° ELBOW (C X C)



Part No	Nominal Size (inch)	Price
CO90-1	1	\$5
CO90-1-1/2	1-1/2	\$13
CO90-1-1/4	1-1/4	\$8
CO90-12	1/2	\$1
CO90-2	2	\$23
CO90-34	3/4	\$3
CO90-38	3/8	\$5
CO90RD-1/2X3/8	1/2 x 3/8	\$10
CO90RD-114x1	1-1/4 x 1	\$28
CO90RD-114x34	1-1/4 x 3/4	\$30
CO90RD-34x12	3/4 x 1/2	\$8

HVAC DISTRIBUTORS INC

COPPER PIPE & FITTINGS

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COPPER PIPE & FITTINGS

COPPER FITTINGS

FEMALE ADAPTER C X F



Part No	Nominal Size (inch)	Price
COFLE-1	1	\$10
COFLE-112	1-1/2	\$25
COFLE-114	1-1/4	\$15
COFLE-12	1/2	\$5
COFLE-12x34	1/2 x 3/4	\$8
COFLE-12x38	1/2 x 3/8	\$8
COFLE-1x114	1 x 1-1/4	\$28
COFLE-34	3/4	\$5
COFLE-34x12	3/4 x 1/2	\$8

FLUSH BUSHING (FTG X C)



Part No	Nominal Size	Price
COBUSH-1/2X3/8	1/2 x 3/8	\$3
COBUSH-114x1	1-1/4 x 1	\$8
COBUSH-114x34	1-1/4 x 3/4	\$10
COBUSH-1x34	1 x 3/4	\$8
COBUSH-34x12	3/4 x 1/2	\$5

MALE ADAPTER (C X M)



Part No	Nominal Size (inch)	Price
ACRMLE-7/8X3/4	7/8 x 3/4	\$5

MALE ADAPTER C X M



Part No	Nominal Size (inch)	Price
COMLE-1	1	\$8
COMLE-112	1-1/2	\$20
COMLE-114	1-1/4	\$13
COMLE-114x1	1-1/4 x 1	\$25
COMLE-114x112	1-1/4 x 1-1/2	\$33
COMLE-12	1/2	\$3
COMLE-12x34	1/2 x 3/4	\$8
COMLE-12x38	1/2 x 3/8	\$8
COMLE-1x112	1 x 1-1/2	\$40
COMLE-1x114	1 x 1-1/4	\$20
COMLE-1x34	1 x 3/4	\$15
COMLE-2	2	\$25
COMLE-212x212	2-1/2 x 2-1/2	\$85
COMLE-34	3/4	\$3
COMLE-34x1	3/4 x 1	\$18
COMLE-34x114	3/4 x 1-1/4	\$20
COMLE-34x12	3/4 x 1/2	\$8
COMLE-38	3/8	\$8

TEES C X C X F



Part No	Nominal Size (inch)	Price
COTEE302-1/2	1/2	\$13
COTEE302-114x114x34	1-1/4 x 1-1/4 x 3/4	\$48
COTEE302-1x1x34	1 x 1 x 3/4	\$28
COTEE302-34	3/4	\$23

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COPPER FITTINGS

UNION C X F



Part No	Nominal Size	Price
COUNIONCXF-3/4	3/4	\$35

90° DROP ELBOW (C X C)



Part No	Nominal Size (inch)	Price
CO90DE-1/2	1/2	\$8
CO90DE-1/2x3/8	1/2 x 3/8	\$13

BASEBOARD TEE (C X F X C)



Part No	Nominal Size (inch)	Price
COTEEBB-1	1 x 1/8 x 1	\$18
COTEEBB-3/4	3/4 x 1/8 x 3/4	\$15

90° STREET ELBOW (FTG X C)



Part No	Nominal Size (inch)	Price
CO90ST-1	1	\$10
CO90ST-112	1-1/2	\$18
CO90ST-114	1-1/4	\$13
CO90ST-12	1/2	\$3
CO90ST-34	3/4	\$3

CAPS & COUPLINGS



Part No	Nominal Size (inch)	Price
COCAP-114	1-1/4	\$5
COCAP-12	1/2	\$1
COCAP-34	3/4	\$3
COCPLG-1	1	\$3
COCPLG-112	1-1/2	\$8
COCPLG-114	1-1/4	\$5
COCPLG-12	1/2	\$1
COCPLG-2	2	\$13
COCPLG-34	3/4	\$3
COCPLG-38	3/8	\$3

FITTING REDUCER (FTG X C)



Part No	Nominal Size (inch)	Price
COREDFXC1-1/4x1	1-1/4 x 1	\$10
COREDFXC112X1	1-1/2 x 1	\$10
COREDFXC112X1-1/4	1-1/2 x 1-1/4	\$10
COREDFXC1x34	1 x 3/4	\$5

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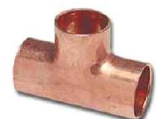
COPPER FITTINGS

REDUCER COUPLING W/STOP (C X C)



Part No	Nominal Size	Price
CORED-1/2X3/8	1/2 x 3/8	\$3
CORED-112x1	1-1/2 x 1	\$13
CORED-112x114	1-1/2 x 1-1/4	\$13
CORED-114x1	1-1/4 x 1	\$8
CORED-114x34	1-1/4 x 3/4	\$8
CORED-1x34	1 x 3/4	\$5
CORED-3/4x1/2	3/4 x 1/2	\$3

TEE (C X C X C)



Part No	Nominal Size (inch)	Price
COTEE-1	1	\$13
COTEE-112	1-1/2	\$30
COTEE-114	1-1/4	\$20
COTEE-12	1/2	\$3
COTEE-34	3/4	\$5
COTEE-38	3/8	\$5

TEE (C X C X C)



Part No	Nominal Size (inch)	Price
COTEER-112X112X34	1-1/2 x 1-1/2 x 3/4	\$23
COTEER-114X114X1	1-1/4 x 1-1/4 x 1	\$23
COTEER-114X114X1/2	1-1/4 x 1-1/4 x 1/2	\$23
COTEER-114X114X34	1-1/4 x 1-1/4 x 3/4	\$20
COTEER-114X1X114	1-1/4 x 1 X 1-1/4	\$28
COTEER-1x1x114	1 x 1 x 1-1/4	\$30
COTEER-1x1x12	1 x 1 x 1/2	\$15
COTEER-1x1x34	1 x 1 x 3/4	\$15
COTEER-1x34X1	1 x 3/4 X 1	\$18
COTEER-1x34x34	1 x 3/4 x 3/4	\$18
COTEER-34x12x12	3/4 x 1/2 x 1/2	\$5
COTEER-34x34x12	3/4 x 3/4 x 1/2	\$5

UNION (C X C)



Part No	Nominal Size (inch)	Price
COUNION-1	1	\$25
COUNION-112	1-1/2	\$50
COUNION-114	1-1/4	\$38
COUNION-12	1/2	\$13
COUNION-34	3/4	\$18

U-TYPE STRAP



Part No	Nominal Size (inch)	Price
COSTRAP-1	1	\$3
COSTRAP-12	1/2	\$1
COSTRAP-34	3/4	\$1

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COPPER FITTINGS

COPPER REFRIGERATION FITTINGS

45° ELBOW (C X C)



Part No	Nominal Size (inch)	Price
ACR45-1/2	1/2	\$8
ACR45-1/4	1/4	\$8
ACR45-1-1/8	1-1/8	\$10
ACR45-1-3/8	1-3/8	\$13
ACR45-3/4	3/4	\$13
ACR45-3/8	3/8	\$8
ACR45-5/8	5/8	\$3
ACR45-7/8	7/8	\$5

45° STREET ELBOW (C X C)



Part No	Nominal Size (inch)	Price
ACR45ST-1-1/8	1-1/8	\$13
ACR45ST-1-3/8	1-3/8	\$13
ACR45ST-3/4	3/4	\$20
ACR45ST-3/8	3/8	\$10
ACR45ST-5/8	5/8	\$3
ACR45ST-7/8	7/8	\$3

90° LONG TURN ELL (C X C)



Part No	Nominal Size (inch)	Price
ACR90LR-1/2	1/2	\$8
ACR90LR-1/2x3/8	1/2 x 3/8	\$13
ACR90LR-1/4	1/4	\$8
ACR90LR-1-1/8	1-1/8	\$15
ACR90LR-1-1/8x7/8	1-1/8 x 7/8	\$20
ACR90LR-1-3/8	1-3/8	\$20
ACR90LR-3/4	3/4	\$5
ACR90LR-3/4x1/2	3/4 x 1/2	\$15
ACR90LR-3/8	3/8	\$5
ACR90LR-5/16	5/16	\$5
ACR90LR-5/8	5/8	\$8
ACR90LR-5/8x3/8	5/8 x 3/8	\$18
ACR90LR-7/8	7/8	\$10
ACR90LR-7/8x3/4	7/8 x 3/4	\$23
ACR90LR-7/8x5/8	7/8 x 5/8	\$13

90° LONG TURN STREET ELL (FTG X C)



Part No	Nominal Size (inch)	Price
ACR90STLR-2-LT-1/2	1/2	\$15
ACR90STLR-2-LT-1-1/8	1-1/8	\$15
ACR90STLR-2-LT-1-3/8	1-3/8	\$23
ACR90STLR-2-LT-3/4	3/4	\$10
ACR90STLR-2-LT-3/8	3/8	\$8
ACR90STLR-2-LT-5/8	5/8	\$10
ACR90STLR-2-LT-7/8	7/8	\$13

COPPER PIPE & FITTINGS**COPPER FITTINGS****COPPER REFRIGERATION FITTINGS****COUPLING (SOCKET) W/ROLLED TUBE STOP (C X C)**

Part No	Nominal Size (inch)	Price
ACRCPLGRS-1/2	1/2	\$3
ACRCPLGRS-1-1/8	1-1/8	\$3
ACRCPLGRS-1-3/8	1-3/8	\$8
ACRCPLGRS-1/4	1/4	\$1
ACRCPLGRS-3/4	3/4	\$3
ACRCPLGRS-3/8	3/8	\$1
ACRCPLGRS-5/16	5/16	\$3
ACRCPLGRS-5/8	5/8	\$1
ACRCPLGRS-7/8	7/8	\$3

REDUCER COUPLING W/STOP (C X C)

Part No	Nominal Size (inch)	Price
ACRCPLGRED-1/2X1/4	3/8 x 1/8	\$3
ACRCPLGRED-1/2X3/8	1/2 X 3/8	\$3
ACRCPLGRED-1-1/8X3/4	1-1/8 X 3/4	\$5
ACRCPLGRED-1-1/8X7/8	1-1/8 X 7/8	\$8
ACRCPLGRED-1-3/8X1-1/8	1-3/8 X 1-1/8	\$8
ACRCPLGRED-3/4X1/2	3/4 X 1/2	\$8
ACRCPLGRED-3/4X3/8	3/4 X 3/8	\$5
ACRCPLGRED-3/4X5/8	3/4 X 5/8	\$5
ACRCPLGRED-3/8X1/4	3/8 X 1/4	\$8
ACRCPLGRED-3/8X5/16	3/8 X 5/16	\$8
ACRCPLGRED-5/8X1/2	5/8 X 1/2	\$3
ACRCPLGRED-5/8X3/8	5/8 X 3/8	\$3
ACRCPLGRED-7/8X1/2	7/8 X 1/2	\$5
ACRCPLGRED-7/8X3/4	7/8 X 3/4	\$3
ACRCPLGRED-7/8X3/8	7/8 X 3/8	\$5
ACRCPLGRED-7/8X5/8	7/8 X 5/8	\$3

REFRIGERANT COIL

Part No	Normal Size Inches	Unit	Price
ACRCOIL-1/2X50	1/2	50' roll	\$163
ACRCOIL-1/4X50	1/4	50' roll	\$93
ACRCOIL-1-1/8X50	1-1/8	50' roll	\$575
ACRCOIL-3/4X50	3/4	50' roll	\$253
ACRCOIL-3/8X50	3/8	50' roll	\$120
ACRCOIL-5/16X50	5/16	50' roll	\$110
ACRCOIL-5/8X50	5/8	50' roll	\$210
ACRCOIL-7/8X50	7/8	50' roll	\$398

REFRIGERANT TUBING

Part No	Normal size (inch)	Length	Price
ACRTUBE-L-1/2	1/2	20ft	\$95
ACRTUBE-L-1-1/8	1-1/8	20ft	\$255
ACRTUBE-L-1-3/8	1-3/8	20ft	\$343
ACRTUBE-L-1-5/8	1-5/8	20ft	\$438
ACRTUBE-L-2-1/8	2-1/8	20ft	\$688
ACRTUBE-L-3/4	3/4	20ft	\$160
ACRTUBE-L-3/8	3/8	20ft	\$58
ACRTUBE-L-5/8	5/8	20ft	\$115
ACRTUBE-L-7/8	7/8	20ft	\$175

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FLUX & SOLDERS

GENERAL PURPOSE SOLDERING FLUX



Should be used with all SILVABRITE solders, Wolverine common solders, or other solders whose liquidus temperatures are less than 700° F. It is not recommended for aluminum, magnesium, titanium or electronic applications. Available in liquid and paste forms

Part No	Liquid Available In	Paste Available In	Price
TECFLUX-LIQ	4 oz, 16 oz, And 32 oz Size	2 oz, 4 oz Brush Cap, And 1 lb Sizes.	\$10

SILVABRITE-100 (LEAD FREE SOLDER)



SILVABRITE 100 was developed to meet market demands for a safe and easy to use solder for drinking water systems and other applications.

Part No	Density (lb/cu in)	Electrical Conductivity (% IACS)	Bulk Room Temperature Tansile Strength	Initial Temp	Recommended Temp Range	Price
SILVABRITE-100	.266	12.0	6,900 psi	440°F	440-500°F	\$35
SILVABRITE-S	.267			430°F	430-550°F	\$75

SILVALOY-15



SILVALOY 5 is used for the brazing of copper and copper alloys, brass, and bronze. it can also be used on silver ,tungsten, and molybdenum. it is is very effective for joining pipe and tubing and is widely used for electrical work.. SILVALOY 5 should not be used on ferrous metals or copper alloys containing more than 10% nockel because of phosphorous embrittlement due to recatiom with iron or nickel. of the phos-copper brazing filler metals. It has good flow wetting properties on copper, brass and bronze. of the phos-copper filler metals. SILVALOY 5 has the most “sluggish” flow characteristics which enable it to fill gaps better. the recommended joint clearances are between 0.001” and 0.005 “. Melting of SILVALOY 5 is virtually complete at 1300°F(704°C) even though the liquidus is not yet reached. Best results are obtained when brazing slightly above this temperature.

Part No	Price
15	\$73

SILVALOY-5



SILVALOY 5 is used for the brazing of copper and copper alloys, brass, and bronze. it can also be used on silver ,tungsten, and molybdenum. it is primarily used for the joining od copper-to-copper. SILVALOY 5 should not be used on ferrous metals or copper alloys containing more than 10% nockel because of phosphorous embrittlement due to recatiom with iron or nickel. SILVALOY 5 has good flow and wetting proprieties on copper, brass a and bronze. its melting characteristics are such that on the low ends of its brazing temperature range it has “sluggish” flow characteristics which enable it to fill gaps better, making it ideal for loose fetting-joints. On the other hand, when brazing at high end of its brazing temperature range, it is very fluid, making ideal for tight-fitting joints requiring deep penetration.

Part No	Price
05	\$73

ULTRAFLUX (SILVER BRAZING FLUX)



ULTRA FLUX is a water base paste consisting of a unique combination salts of fluorine and boric acid. it is recommended for use with torch, induction, furnace, resistance, dip and other heating methods. Our quality control ensures a creamy consistency, with no grittiness. ULTRA FLUX can be used in the concentrated form or can be diluted. Heating the flux to 150°F-175°F dilutes it to a thin consistency without waste. ULTRA FLUX also readily dilutes to a thin consistency using 60cc of cold or hot water per pound of flux.

SPECIFICATION: AWS Brazing Flux FB3-AOF499c,Type B AMS 3410

Part No	Composition	Type	Water Content	Application	Effective Range	Price
ULTRAFLUX	Potassium salts of fluorine and boric acid	Paste-Partcle size #325 mesh or finer 8.0	35% or less	Brush,dip,or spray	1100°F-1600°F	\$10

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FLUX & SOLDERS

NOKORODE SOLDERING FLUX

NOKORODE REGULAR PASTE FLUX



Part No	Size	Qty per case	Price
14020	8 oz.	24 jars	\$15

DAMPERS & LOUVERS

LEADER DAMPERS & LOUVERS

BACKDRAFT DAMPER

SPECIAL ORDER-CALL FOR PRICE



Horizontal & Vertical mount backdraft dampers. Available with the following options:

- Flange Upstream 1.5"
- Flange Downstream 1.5"
- Counter-balanced
- Birdscreen
- Insect screen
- Electric operator

Part No	Blades	Bearings	Min Size	Max Size	Axles	Price
BDA-V	.050" Extruded Aluminium 6063-TS Alloy with Polyurethane Seals	25" ID Nylon	6w" x 6h"	36w" x 48h"	.25" Nylon	Call for Price
BDA-HU	.050" Extruded Aluminium 6063-TS Alloy with Polyurethane Seals	25" ID Nylon	6w" x 6h"	36w" x 48h"		Call for Price

COUNTER BALANCED DAMPER HORIZONTALLY MOUNTED-AIRFLOW DOWN

SPECIAL ORDER-CALL FOR PRICE



Options available:

- All aluminum construction
- 2" wide flange frame
- Bronze oilite bushing
- Stainless steel bushing
- Polyurethane blade seals
- Type "CR" casing- Round w/12" 20ga sleeve
- Type "CO" casing- Oval w/12" 20ga sleeve

Part No	Blades	Bearings	Min Size	Max Size	Finish	Price
CP-2-HD	14ga Aluminium	1/2" D Nylon	6" x 6" (Single Blade)	Single Section 52w" x 60h"	Mill Finish Galvanized	Call for Price

COUNTER BALANCED DAMPER HORIZONTALLY MOUNTED-AIRFLOW UP

SPECIAL ORDER-CALL FOR PRICE



Options available:

- All aluminum construction
- 2" wide flange frame
- Bronze oilite bushing
- Stainless steel bushing
- Polyurethane blade seals
- Type "CR" casing- Round w/12" 20ga sleeve
- Type "CO" casing- Oval w/12" 20ga sleeve

Part No	Blades	Bearings	Min Size	Max Size	Finish	Price
CP-2-HU	14ga Aluminium	1/2" D Nylon	6" x 6" (Single Blade)	Single Section 52w" x 60h"	Mill Finish Galvanized	Call for Price

DAMPERS & LOUVERS

DAMPERS & LOUVERS**LEADER DAMPERS & LOUVERS****COUNTER-BALANCED DAMPER**

SPECIAL ORDER-CALL FOR PRICE



Options available:

- All aluminum construction
- 2" wide flange frame
- Bronze oilite bushing
- Stainless steel bushing
- Polyurethane blade seals
- Type "CR" casing- Round w/12" 20ga sleeve
- Type "CO" casing- Oval w/12" 20ga sleeve
-

Part No	Blades	Bearings	Min Size	Price
CP-2-V	14ga Aluminium	1/2" I.D. Nylon	6" x 6" (Single Blade)	Call for Price

LIGHT DUTY BALANCING DAMPER

SPECIAL ORDER-CALL FOR PRICE



Single blade dampers. Hand quad included.

Part No	Blades	Control Shaft	Min Size	Max Size	Finish	Price
ES-1	22ga Galvanized Steel	1/4" x 2" Square Plated Steel	4" x 4"	36" x 12"	Mill Finish Galvanized	Call for Price
ER-4	20ga Galvanized Steel	1/4" x 2" Square Plated Steel	4" Diameter	20" Diameter	Mill Finish Galvanized	Call for Price
BS-1	20ga Galvanized Steel	3/8" x 5" Square Plated Steel	4" x 4"	48" x 12"	Mill Finish Galvanized	Call for Price

MANUAL BALANCING DAMPER

SPECIAL ORDER-CALL FOR PRICE



MS-1 is a single blade damper. MO-3 is an opposed blade damper.

Options:

- hand quad

Part No	Blades	Control Shaft	Min Size	Max Size	Finish	Price
MS-1	18ga Galvanized Steel, Triple Crimped		6" x 6"	48" x 13"	Mill Finish Galvanized	Call for Price
MO-3	18ga Galvanized Steel, Triple Crimped	3" Long x 1/2" Round	6w" x 14h"	Single Section 48w" x 48h"	Mill Finish Galvanized	Call for Price

MODEL 245-SW EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



2" thick stationary blade louver. 45 degree weather control blade. Galvanized birdscreen standard.

Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension

Part No	4" Frame	Min Size	Max Size	Price
245-SW	6063-T5 Alloy 14ga. (.081) extruded aluminium	5" high	Single Section 120w" x 60h"	Call for Price

DAMPERS & LOUVERS

LEADER DAMPERS & LOUVERS

MODEL 438-CD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



4" thick combination drainable/adjustable blade louver. 35-40 drainable blade standard fixed blade. .050" extruded aluminum adj flap. Galvanized birdscreen standard.

Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	4" Frame	Blades	Min Size	Max Size	Price
438-CD	6063-T5 Alloy 12ga. (.081) extruded aluminium	35-40 drainable control blade standard	8" high	Single Section 72w" x 96h"	Call for Price

MODEL 438-SD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



4" thick drainable blade louver. 35-40 drainable control blade standard. Galvanized birdscreen standard.

Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	4" Frame	Blades	Min Size	Max Size	Price
438-SD	6063-T5 Alloy 12ga. (.081) extruded aluminium	35-40 drainable control blade standard	8" high	Single Section 120w" x 96h"	Call for Price

MODEL 445-CD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



4" thick combination drainable/adjustable blade louver. 45 degree drainable control blade standard. .050" extruded aluminum adjustable blade for each full fixed blade. Galvanized birdscreen standard.

Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	4" Frame	Blades	Min Size	Max Size	Price
445-CD	6063-T5 Alloy 12ga. (.081) extruded aluminium	.050" Extruded Aluminium adjustable blade for each full fixed blade	10" high	Single Section 72w" x 96h"	Call for Price

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MODEL 445-SD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



4" thick stationary drainable blade louver. 45 degree drainable control blade. Galvanized birdscreen standard.
Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	4" Frame	Blades	Min Size	Max Size	Price
445-SD	6063-T5 Alloy 12ga. (.081) extruded aluminium	45' Drainable Control Blade Standard	10" high	Single Section 120w" x 96h"	Call for Price

MODEL 638-CD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



6" thick combination drainable/adjustable blade louver. 38 degree drainable control blade. Galvanized birdscreen standard.
Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	6" Frame	Blades	Min Size	Max Size	Price
638-CD	6063-T5 Alloy 12ga. (.081) extruded aluminium	38' Drainable Control Blade Standard	10" high	Single Section 72w" x 96h"	Call for Price

MODEL 638-SD EXTRUDED ALUMINIUM LOUVER

SPECIAL ORDER-CALL FOR PRICE



6" thick stationary drainable blade louver. 38 degree drainable control blade. Galvanized birdscreen standard.
Options:

- Removable birdscreen
- Removable insect screen
- 1-1/2" flange frame
- Sill extension
-

Part No	6" Frame	Blades	Min Size	Max Size	Price
638-SD	6063-T5 Alloy 12ga. (.081) extruded aluminium	38' Drainable Control Blade Standard	10" high	Single Section 120w" x 96h"	Call for Price

DAMPERS & LOUVERS

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MODEL ADO-3 AIRFOIL CONTROL DAMPER

SPECIAL ORDER-CALL FOR PRICE



Galvanized airfoil blade, low-leakage air control damper.
Options available:

- 2" wide flange frame
- Bronze oilite bushing
- Stainless steel frame seals
- 14 gauge galvanized steel frame
- Type "CR" casing- Round w/12" 20ga sleeve
- Type "CO" casing- Oval w/12" 20ga sleeve
- Hand quad
- Pull chain operator
- Jackshafter

Part No	Blades	Bearings	Control Shaft	Min Size	Max Size	Finish	Axles	Seals	Price
ADO-3	Airfoil Shape, Dual skin 14ga. Equivalent thickness, 6" o.c.	7/16" ID Nylon	3" Long x 1/2" Round	8w" x 8h"	Single Section 52w" x 60h"	Mill Finish Galvanized	1/2" Plated Hex	Silicone Blade and aluminium jamb	Call for Price

MODEL DO-3 CONTROL DAMPER

SPECIAL ORDER-CALL FOR PRICE



Opposed blade air control damper. Options available:

- 1-1/2" flange frame
- pull chain operator
- aluminum blades and frame
- actuator motor

Part No	Blades	Bearings	Control Shaft	Min Size	Max Size	Finish	Axles	Price
DO-3	16ga Galvanized Steel, Triple Crimped blades are on 6" centres	7/16" ID Nylon	3" Long x 1/2" Round	6w" x 12h"	Single Section 52w" x 60h"	Mill Finish Galvanized	7/16" plated hex	Call for Price

MODEL DP-2 CONTROL DAMPER

SPECIAL ORDER-CALL FOR PRICE



Parallel blade air control damper. Options available:

- 1-1/2" flange frame
- pull chain operator
- aluminum blades and frame
- actuator motor

Part No	Blades	Bearings	Control Shaft	Min Size	Max Size	Finish	Price
DP-2	16ga Galvanized Steel, Triple Crimped blades are on 6" centres	7/16" ID Nylon	3" Long x 1/2" Round	6w" x 12h"	Single Section 52w" x 60h"	Mill Finish Galvanized	Call for Price

SINGLE BLADE

SPECIAL ORDER-CALL FOR PRICE



Rectangular single blade damper.

Part No	Blades	Bearings	Control Shaft	Min Size	Max Size	Finish	For Size Under 5" High	Quadrant	Price
DS-1	16ga Galvanized Steel, Triple Crimped	1/2" D Nylon	6" Long x 1/2" Round	4" x 4" (Single Blade)	52" x 12" (Single Section)	Mill Finish Galvanized	1/4" Control Shaft	Plated Locking Hand Operator Included	Call for Price

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LEADER DAMPERS & LOUVERS

SINGLE BLADE ROUND

SPECIAL ORDER-CALL FOR PRICE



Round single blade balancing damper.

Part No	Blades	Bearings	Control Shaft	Min Size	Max Size	Finish	Quadrant	Price
BR-4	20ga Galvanized Steel Crimped For Extra Strength	3/8" LD. Nylon	3/8" x 5" Square Plated Steel	4" Diameter	24" Diameter	Mill Finish Galvanized	Plated Locking Hand Operator Included	Call for Price

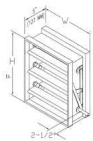
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LLOYD INDUSTRIES

AIR CONTROL DAMPER (SPECIAL ORDER-CALL FOR PRICING)

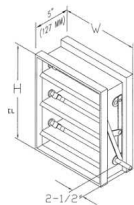
OPPOSED BLADE



Frame: 16 GA. Galvanized Steel interlocking stacked hat section
Blade: 16 GA. Galvanized Vee Formed.
Linkage: Concealed In Frame 10 GA. Zinc Plated Steel

Part No	Blade	Maximum Single Section	Finish	Bearings	Axles	Price
AC20	16 GA. Galvanized Vee Formed	60" Wx 60" H	Mill Galvanized	Non-Metallic celcon	1/2 Square Zinc Plated Steel Stud	Call for price

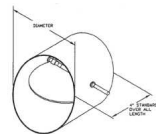
PARALLEL BLADE



Frame: 16 GA. Galvanized Steel interlocking stacked hat section
Blade: 16 GA. Galvanized Vee Formed.
Linkage: Concealed In Frame 10 GA. Zinc Plated Steel

Part No	Blade	Maximum Single Section	Finish	Bearings	Axles	Price
AC10	16 GA. Galvanized Vee Formed	60" Wx 60" H	Mill Galvanized	Non-Metallic celcon	1/2 Square Zinc Plated Steel Stud	Call for price

SINGLE BLADE ROUND CONTROL DAMPER

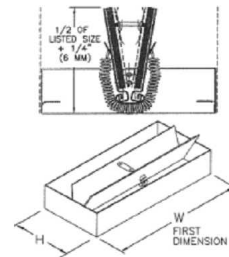


Frame: 4" Deep 16 GA. Galvanized steel roll formed and welded.
Blade: Single Blade 16 GA. Galvanized, Single "V" formed stiffener.

Part No	Blade	Finish	Bearings	Axles	Seals	Standard Extended Shaft	Price
AC40	Single Blade 16 GA. Galvanized, Single "V" formed stifener	Mill Galvanized	Non-Metallic celcon	1/2 square zinc plated steel stud	Low Leakage Closed Cell Neoprene	1/2 Inch Square x 3" Long Zinc Plated	Call for price

CEILING RADIATION DAMPERS (SPECIAL ORDER-CALL FOR PRICING)

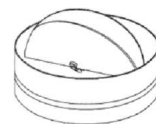
MODEL 50



• UL listed link (165° standard) • Blades 22 (.853 mm) GA. Galv. Steel • Ceramic fiber with fiberglass cover • Roll-formed frame 22 (.853 mm) GA. Galv. Steel • Steel duct drop (by others) • Available in Stainless steel

Size				
Part No	Maximum	Minimum	Rating	Price
50CRD	24"x24"(600 mm x 600 mm)	4"x4"(101 mm x 101 mm)	3 Hour	Call for price

MODEL 55



Size				
Part No	Maximum	Minimum	Rating	Price
55CRD	24" Dia(600 mm)	4"(100 mm)	3 Hour	Call for price

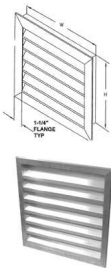
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EXTRUDED ALUMINUM LOUVER (SPECIAL ORDER-CALL FOR PRICING)

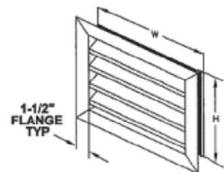
STORM RESISTANT FLANGED FRAME LOUVER



Frame & Blade: 0.062 thick extruded aluminum 6063-T5 mill finish.
Blade Spacing: 2-1/2" centers except at head and sills corrosion resistant steel fasteners used at assembly.
Flange: 1-1/4"

Part No	Size	Maximum Single Section	Screen	Optional		Price
				Screen	Finishes	
2SRF	2-1/2" Centers Except At Head And Sills Corrosion Resistant Steel Fasteners Used At Assembly	72" W x 72"H	Bird Screen 1/2" X 1/2" Aluminum	Insect Screen 18 x 16 Mesh Aluminum	Clear Anodize Colors Paint "kynar"	Call for price

DRAINABLE



Frame & Blade: 0.081 thick extruded aluminum 6063-T5 mill finish.
Blade Spacing: 3-1/4" centers except at head and sills corrosion resistant steel fasteners used at assembly.

Part No	Maximum Single Section	Screen	Optional		Price
			Finishes		
4DL	240" W x 240" H	Insect Screen 18 x 16 Mesh Aluminum	Clear Anodize Colors Paint "kynar"		Call for price
4DLF	240" W x 240" H	Insect Screen 18 x 16 Mesh Aluminum	Clear Anodize Colors Paint "kynar"		Call for price

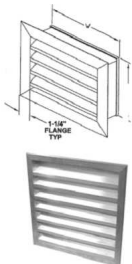
STORM RESISTANT CHANNEL FRAME LOUVER



Frame & Blade: 0.081 thick extruded aluminum 6063-T5 mill finish.
Blade Spacing: 3-1/4" centers except at head and sills corrosion resistant steel fasteners used at assembly.

Part No	Maximum Single Section	Screen	Optional		Price
			Finishes		
4SRCF	240" W x 240" H	Insect Screen 18 x 16 Mesh Aluminum	Clear Anodize Colors Paint "kynar"		Call for price

STORM RESISTANT LOUVER



Frame & Blade: 0.081 thick extruded aluminum 6063-T5 mill finish.
Blade Spacing: 3-1/4" centers except at head and sills corrosion resistant steel fasteners used at assembly.
Flange: 1-1/4"

Part No	Maximum Single Section	Screen	Optional		Price
			Finishes		
4SRF	240" W x 240" H	Insect Screen 18 x 16 Mesh Aluminum	Clear Anodize Colors Paint "kynar"		Call for price

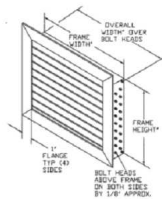
DAMPERS & LOUVERS

DAMPERS & LOUVERS

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EXTRUDED ALUMINUM LOUVER BRICK VENTS (SPECIAL ORDER-CALL FOR PRICING)

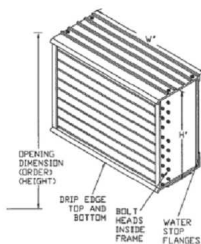
STORM RESISTANT (FLANGED)



Frame & Blade: 1/8" thick extruded aluminum 6063-T6 construction with 1"wall flange.

Part No	Maximum Single Section	Finish	Blade Centers	Price
1-BVF	Unlimited	Mill Finish	1" centers at 45" head and sill spacing not to exceed frame flange dimation for maximum water resistance	Call for price

STORM RESISTANT (CHANNEL FRAME)



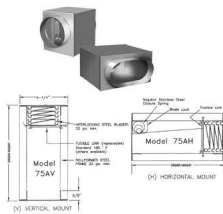
Frame & Blade: 1/8" thick extruded aluminum 6063-T6 construction with 1"wall flange.

Part No	Maximum Single Section	Finish	Blade Centers	Price
4-BVCF	Unlimited	Mill Finish	1" centers at 45" head and sill spacing not to exceed frame flange dimation for maximum water resistance	Call for price

FIRE DAMPER (SPECIAL ORDER-CALL FOR PRICING)

HORIZONTAL & VERTICAL MODEL 75

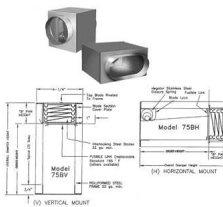
TYPE A



• Damper Model with Blades "in Air Stream" • Standard construction material galvanized steel • Damper supplied 1/4" less than order Width and Height• Horizontal Mounting Model includes Stainless Steel negator springs and blade locks

Part No	Size	Vertical Width x Height		Horizontal Width x Height		Price
		Minimum	Maximum	Minimum	Maximum	
75A-V	1-1/2 Hour	4"x4"	60"x60"			Call for price
75A-H	1-1/2 Hour			4"x4"	60"x60"	Call for price

TYPE B



• Damper Model with Blades "out of Air Stream" • Standard construction material galvanized steel • Damper supplied 1/4" less than order Width and Height• Vertical Mounting same as Horizontal less stainless steel negator spring and blade lock

Part No	Rating	Vertical Width x Height		Horizontal Width x Height		Maximum Duct Size (Width x Height)	Price
		Minimum	Maximum	Minimum	Maximum		
75B-V	1-1/2 Hour	4"x3"	60"x53"			120"x53"	Call for price
75B-H	1-1/2 Hour			4"x5"	60"x53"	120"x53"	Call for price

DAMPERS & LOUVERS

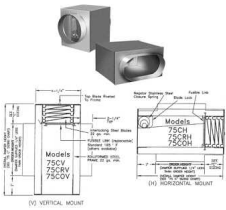
DAMPERS & LOUVERS

LLOYD INDUSTRIES

FIRE DAMPER (SPECIAL ORDER-CALL FOR PRICING)

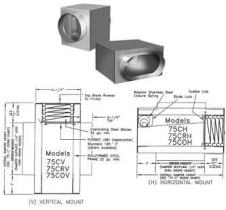
HORIZONTAL & VERTICAL MODEL 75

TYPE CO



Part No	Rating	Width x Height (Maximum)		Width x Height (Maximum Section)		Price
		Vertical	Horizontal	Vertical	Horizontal	
75CO-V	1-1/2 Hour	120"x120"	60"x60"	60"x60"	60"x60"	Call for price
75CO-H	1-1/2 Hour	120"x120"	60"x60"	60"x60"	60"x60"	Call for price

TYPE CR

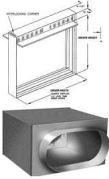


• Highest Air Flow efficiency for Curtain Dampers • Damper models with blades and frames “Out of Air Stream” • Material standard construction galvanized steel • Damper supplied 1/4" less than order width and height or Diameter • Horizontal mounting model includes stainless steel negator spring and blade locks

Part No	Rating	Maximum Duct Size (Width x Height)	Width x Height (Maximum Section)		Price
			Vertical	Horizontal	
75CR-V	1-1/2 Hour	120"x120"	60"x60"		Call for price
75CR-H	1-1/2 Hour	60"x60"		60"x60"	Call for price

DYNAMIC FIRE DAMPER (SPECIAL ORDER-CALL FOR PRICING)

VERTICAL MODEL



Vertical Width x Height					Maximum			
Part No	Minimum	Maximum	Materials	Construction	Velocity	Static Pressure	Rating	Price
75A-DY	4"x4"	24"x24"	Standard	Galvanized Steel	2400 FPM	4.0 WG	1-1/2 Hour	Call for price
75B-DY	4"x4"	24"x24"	Standard	Galvanized Steel	2400 FPM	4.0 WG	1-1/2 Hour	Call for price
75CR-DY	4"x4"	24"x24"	Standard	Galvanized Steel	2400 FPM	4.0 WG	1-1/2 Hour	Call for price

DAMPERS & LOUVERS

GAS FURNACES

80%

2 STAGE



The Distinctions™ GMH8 80% AFUE Two-Stage (Convertible), Multi-Speed Multi-Position Gas Furnace features a patented aluminized-steel tubular heat exchanger and durable Silicon Nitride Hot Surface Ignition system. With a heavy-gauge, reinforced, insulated steel cabinet and durable baked enamel finish, this unit can be installed in a variety of locations.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year furnace replacement limited warranty*. Two-stage gas valve with revolutionary new TwinComfort™ control technology that allows installer to turn on two-stage operation with the flip of a dipswitch. Silicon Nitride igniter with patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics, low-voltage terminal block, and separate terminals for electronic air cleaner and 24-volt humidifiers. Control board stores the last five diagnostic codes in memory; simple push-button activation outputs the fault history to a flashing red LED. Low constant fan mode allows the homeowner to activate the lowest available heating speed to circulate air quietly and efficiently throughout the home during the off cycle. Self-adjusting feature automatically adjusts furnace to high or low stage based on outside temperature without outdoor temperature sensor. Quiet single-speed, induced-draft blower.

Cabinet Features

Fully insulated, heavy-gauge steel cabinet with durable baked-enamel finish. Foil-faced insulation lines the heat exchanger compartment. Designed for multi-position installation: upflow, horizontal left or right. Removable bottom for side or bottom return applications. Convenient left or right connection for gas and electric service. Coil and furnace fit flush for most installations.

Dimensions

All furnaces in this line are 28 inches deep by 39 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GMH80453ANA	Upflow/Horiz	45,000	36,000	3 ton	4"	15A	LPT-00	14	\$1,065
GMH80703ANA	Upflow/Horiz	70,000	56,000	3 ton	4"	15A	LPT-00	14	\$1,140
GMH80704BNA	Upflow/Horiz	70,000	56,000	4 ton	4"	15A	LPT-00	17-1/2	\$1,168
GMH80903BNA	Upflow/Horiz	90,000	72,000	3 ton	4"	15A	LPT-00	17-1/2	\$1,210
GMH80904BNA	Upflow/Horiz	90,000	72,000	4 ton	4"	15A	LPT-00	17-1/2	\$1,265
GMH80905CNA	Upflow/Horiz	90,000	72,000	5 ton	4"	15A	LPT-00	21	\$1,315
GMH81155CNA	Upflow/Horiz	115,000	92,000	5 ton	4"	15A	LPT-00	21	\$1,408
GMH81405DNA	Upflow/Horiz	140,000	112,000	5 ton	4"	15A	LPT-00	24-1/2	\$1,620

DISTINCTIONS EQUIPMENT

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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GAS FURNACES

80%

DOWNFLOW



The *Distinctions*™ GMS8/GDS8/GHS8 Multi-Position, Single-Stage, Multi-Speed Gas Furnaces provide exceptional indoor comfort. With a single-stage gas valve, multispeed circulator blower, these models provide comfort all season long. These quiet furnaces deliver a money-saving 80% AFUE.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year furnace replacement limited warranty*. Single-stage combination redundant gas valve. Hot-Surface Ignition System with Norton Mini-Igniter and patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics and low-voltage terminal block. Quiet single-speed, induced-draft blower.

Cabinet Features

Foil-faced insulation lines the heat exchanger compartment. Designed for multi-position installation:GMS8 and GHS8: upflow, horizontal left or right. GDS8: dedicated downflow. Coil and furnace fit flush for most installations

Dimensions

All furnaces in this line are 28 inches deep by 39 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GDS80453ANA	Downflow only	45,000	36,000	3 ton	4"	15A	LPT-00	14	\$1,020
GDS80703ANA	Downflow only	70,000	56,000	3 ton	4"	15A	LPT-00	14	\$1,090
GDS80904BNA	Downflow only	90,000	72,000	4 ton	4"	15A	LPT-00	17-1/2	\$1,210
GDS81155CNA	Downflow only	115,000	92,000	5 ton	4"	15A	LPT-00	21	\$1,350

DISTINCTIONS EQUIPMENT

GAS FURNACES

80%

SINGLE STAGE



The *Distinctions*™ GMS8/GDS8/GHS8 Multi-Position, Single-Stage, Multi-Speed Gas Furnaces provide exceptional indoor comfort. With a single-stage gas valve, multispeed circulator blower, these models provide comfort all season long. These quiet furnaces deliver a money-saving 80% AFUE.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year furnace replacement limited warranty*. Single-stage combination redundant gas valve. Hot-Surface Ignition System with Norton Mini-Igniter and patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics and low-voltage terminal block. Quiet single-speed, induced-draft blower.

Cabinet Features

Foil-faced insulation lines the heat exchanger compartment. Designed for multi-position installation:GMS8 and GHS8: upflow, horizontal left or right. GDS8: dedicated downflow. Coil and furnace fit flush for most installations

Dimensions

All furnaces in this line are 28 inches deep by 39 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GMS80453ANA	Upflow/Horiz	45,000	36,000	3 ton	4"	15A	LPT-00	14	\$985
GMS80703ANA	Upflow/Horiz	70,000	56,000	3 ton	4"	15A	LPT-00	14	\$1,050
GMS80704BNA	Upflow/Horiz	70,000	56,000	4 ton	4"	15A	LPT-00	17-1/2	\$1,080
GMS80903BNA	Upflow/Horiz	90,000	72,000	3 ton	4"	15A	LPT-00	17-1/2	\$1,118
GMS80905CNA	Upflow/Horiz	90,000	72,000	5 ton	4"	15A	LPT-00	21	\$1,218
GMS81155CNA	Upflow/Horiz	115,000	92,000	5 ton	4"	15A	LPT-00	21	\$1,300
GMS81405DNA	Upflow/Horiz	140,000	112,000	5 ton	4"	15A	LPT-00	24-1/2	\$1,498

DISTINCTIONS EQUIPMENT

GAS FURNACES

80%

VARIABLE SPEED



The Goodman® GME8 80% AFUE Two-Stage (Convertible), Multi-Speed Multi-Position Gas Furnace features a patented aluminized-steel tubular heat exchanger and durable Silicon Nitride Hot Surface Ignition system, plus a super-efficient EEM circulator motor that saves energy during the heating and cooling months. With a heavy-gauge, reinforced, insulated steel cabinet and durable baked enamel finish, the GME8 can be installed in a variety of locations. Self-adjusting feature automatically adjusts furnace to high or low stage based on outside temperature without an outdoor temperature sensor. All models comply with California NOx emissions standards.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year limited furnace replacement warranty*, Two-stage gas valve with revolutionary new convertible technology that allows installer to turn on two-stage operation with the flip of a dipswitch, Super-efficient EEM circulator motor saves energy during heating and cooling months, Silicon Nitride igniter with patented adaptive learning control for maximum igniter life, Furnace control board with self-diagnostics, color-coded low-voltage terminals, and provisions for electronic air cleaner and 24-volt humidifiers, Control board stores the last five diagnostic codes in memory; simple push-button activation outputs the fault history to a flashing red LED, Low constant fan allows homeowner to activate the low heat speed to efficiently circulate air throughout the home.

Cabinet Features

Fully insulated, heavy-gauge steel cabinet with durable baked-enamel finish, Foil-faced insulation lines the heat exchanger. Designed for multi-position installation: upflow, horizontal, left or right. Removable bottom for side- or bottom-return applications. Convenient left or right connection for gas and electric service. Coil and furnace fit flush for most installations

Dimensions

All furnaces in this line are 28 inches deep by 39 inches high.

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GME80704BXA	Upflow/Horiz	70,000	56,000	4 ton	4"	15A	LPM-05	17-1/2	\$1,579
GME80905CXA	Upflow/Horiz	90,000	72,000	5 ton	4"	15A	LPM-05	21	\$2,145
GME81155CXA	Upflow/Horiz	115,000	92,000	5 ton	4"	15A	LPM-05	21	\$2,275

DISTINCTIONS EQUIPMENT

GAS FURNACES

90%

2 STAGE



The Distinctions™ GMH95/GCH9 two-stage (convertible), multi-speed gas furnaces offer installation versatility and quiet operation.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year furnace replacement limited warranty*. Two-stage gas valve with revolutionary new TwinComfort™ control technology that allows installer to turn on two-stage operation with the flip of a dipswitch. Silicon Nitride igniter with patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics, low-voltage terminal block, and separate terminals for electronic air cleaner and 24-volt humidifiers. Control board stores the last five diagnostic codes in memory; simple push-button activation outputs the fault history to a flashing red LED. Low constant fan mode allows the homeowner to activate low speed to circulate air quietly and efficiently throughout the home during the off cycle. Self-adjusting feature automatically adjusts furnace to high or low stage based on outside temperature without the need for an outdoor temperature sensor. Dual-certified for sealed combustion direct vent (2-pipe) or non-direct vent (1-pipe) applications. Easy-to-install top venting standard; alternate flue/vent located on the right (GMH95). Quiet, single-speed induced-draft blower.

Cabinet Features

Fully insulated, heavy-gauge steel cabinet with durable baked-enamel finish. Foil-faced insulation lines the heat exchanger compartment. Designed for multi-position installation: GMH95: upflow, horizontal left or right; GCH9: downflow, horizontal left or right. Airtight solid bottom for side-return applications and easy-cut tabs for effortless removal in bottom air inlet applications. Convenient left or right connection for gas and electric service. Coil and furnace fit flush for most installations.

Dimensions

All furnaces in this line are 28 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GMH950453BXA	Upflow/Horiz	46,000	44,600	3 ton	2"	15A	LPM-05	17-1/2	\$1,773
GMH950703BXA	Upflow/Horiz	69,000	66,400	3 ton	2"	15A	LPM-05	17-1/2	\$1,843
GMH950704CXA	Upflow/Horiz	69,000	66,400	4 ton	2"	15A	LPM-05	21	\$1,938
GMH950904CXA	Upflow/Horiz	92,000	89,000	4 ton	2"	15A	LPM-05	21	\$2,138
GMH950905DXA	Upflow/Horiz	92,000	88,400	5 ton	3"	15A	LPM-05	24-1/2	\$2,248
GMH951155DXA	Upflow/Horiz	115,000	110,500	5 ton	3"	15A	LPM-05	24-1/2	\$2,400

DISTINCTIONS EQUIPMENT

GAS FURNACES

90%

DOWNFLOW



The Distinctions™ brand GMS9/GCS9 Multi-Position, Single-Stage, Multi-Speed Gas Furnaces provide exceptional indoor comfort. With its single-stage gas valve and multi-speed circulator blower, the GMS9/GCS9 provides comfort all season long. This quiet furnace delivers a money-saving efficiency of 93% AFUE.

Standard Features

Corrosion-resistant, aluminized-steel tubular heat exchanger and stainless-steel recuperative coil. Designed for multi-position installation - GMS9:upflow, horizontal right or left; GCS9: downflow, horizontal right or left. Energy-saving, reliable Hot Surface Ignition system, featuring a Norton® Mini-Igniter with patented adaptive learning algorithm • Aluminized-steel inshot burners. Energy-saving PSC, multi-speed, direct drive blower motor. Quiet, corrosion-resistant induced draft blower assembly. Integrated furnace control with improved diagnostics. Low-voltage terminal blocks. Multiple flame roll-out switches. Blower door safety switch. Outlet air limit switch and pressure switch for proof of combustion air. 40VA transformer for heating and air conditioning control service. Combination redundant gas valve and regulator. Top venting is standard; alternate flue/vent located on right side. Factory run-tested for heating or combination heating/cooling applications. Suitable for direct vent (2-pipe) or non-direct vent (1-pipe) applications.

Cabinet Features

Heavy-gauge, reinforced, fully insulated steel cabinet with durable baked-enamel attractive architectural gray paint finish. Foil-faced insulation-lined heat exchanger compartment. Coil and furnace fit flush for easy installation. Convenient left or right connection for gas and electric service. Bottom or side air inlet (GMS9). Removable, solid-bottom block-off (GMS9).

Dimensions

All furnaces in this line are 28 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GCS90453BXA	Downflow	46,000	42,800	3 ton	2"	15A	LPT-00	17-1/2	\$1,553
GCS90703BXA	Downflow	69,000	64,400	3 ton	2"	15A	LPT-00	17-1/2	\$1,613
GCS90904CXA	Downflow	92,000	86,000	4 ton	2"	15A	LPT-00	21	\$1,873
GCS91155DXA	Downflow	115,000	106,500	5 ton	3"	15A	LPT-00	24-1/2	\$2,098

DISTINCTIONS EQUIPMENT

GAS FURNACES

90%

SINGLE STAGE



The Distinctions™ GKS9 92.1% AFUE Single-Stage, Multi-Speed Upflow Gas Furnace features a patented aluminized-steel tubular heat exchanger and energy-efficient Hot Surface Ignition system. With a corrosion-resistant, painted steel cabinet, this unit can be installed in a variety of locations.

Standard Features

Patented TuffTube™ dual-diameter tubular heat exchanger with lifetime limited warranty plus 10-year furnace replacement limited warranty*. Single-stage combination redundant gas valve. Hot-Surface Ignition System with Norton Mini-Igniter and patented adaptive learning routine for maximum igniter life. Energy-saving, quiet four-speed direct-drive circulator blower motor. Integrated electronic furnace control board with self-diagnostics and low-voltage terminal block. Dual-certified for sealed combustion direct vent (2-pipe) or non-direct vent (1-pipe) applications. Easy-to-install top venting is standard. Quiet single-speed, induced-draft blower.

Cabinet Features

Foil-faced insulation lines heat exchanger compartment. **Designed for upflow installation and can be converted to horizontal left or right with pressure switch kit 0270K00012.** Airtight solid bottom for side-return applications and easy-cut tabs for effortless removal in bottom air inlet applications. Coil and furnace fit flush for most installations.

Dimensions

All furnaces in this line are 28 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GKS90453BXA	Upflow	46,000	42,800	3 ton	2"	15A	LPT-00	17-1/2	\$1,548
GKS90703BXA	Upflow	69,000	64,400	3 ton	2"	15A	LPT-00	17-1/2	\$1,605
GKS90704CXA	Upflow	69,000	64,400	4 ton	2"	15A	LPT-00	21	\$1,683
GKS90904CXA	Upflow	92,000	86,000	4 ton	2"	15A	LPT-00	21	\$1,865
GKS90905DXA	Upflow	92,000	86,000	5 ton	2"	15A	LPT-00	24-1/2	\$1,955
GKS91155DXA	Upflow	115,000	106,500	5 ton	2"	15A	LPT-00	24-1/2	\$2,090

DISTINCTIONS EQUIPMENT

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DISTINCTIONS EQUIPMENT

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GAS FURNACES

90%

VARIABLE SPEED



The Distinctions® GMV95/GCV9 95%/93% AFUE Two-Stage, Variable-Speed Gas Furnaces feature a patented aluminized-steel tubular heat exchanger and durable Silicon Nitride Hot Surface Ignition system.

Standard Features

Corrosion-resistant, aluminized-steel tubular heat exchanger and stainless steel recuperative coil • Designed for multi-position installation (GMV95: upflow, horizontal right or left;GCV9: downflow, horizontal right or left) • Energy-saving Hot Surface Ignition system with Norton® Mini-Igniter and patented adaptive learning algorithm • Auto-Comfort mode to maintain a mfortable climate • Two-stage gas valve • Super-efficient, quiet variable-speed blower motor • Quiet, two-speed, induced-draft blower assembly • Integrated furnace control with diagnostics • Low-voltage terminal blocks • Suitable for direct vent (2-pipe) or non-direct vent (1-pipe) applications • Convenient left or right connection for gas/electric service.

Cabinet Features

• Heavy-gauge, reinforced, fully insulated steel cabinet with durable, Architectural Gray baked-enamel finish • Foil-faced insulation lines the heat exchanger compartment • Top venting standard; alternate flue/vent located on right (GMV95) • Bottom or side air inlet; removable, solid bottom (GMV95)

Dimensions

All furnaces in this line are 28 inches deep by 40 inches high. Standard widths of 14, 17-1/2, 21, 24-1/2

Part No	Description	BTU Input	BTU Output	CFM	Vent Dia	Brkr Sz	LP Kit	Width	Price
GMV950453BXA	Upflow/Horiz	46,000	45,000	3 ton	2"	15A	LPM-05	17-1/2	\$2,523
GMV950704CXA	Upflow/Horiz	69,000	67,000	4 ton	2"	15A	LPM-05	21	\$2,660
GMV950905DXA	Upflow/Horiz	92,000	90,000	5 ton	2"	15A	LPM-05	24-1/2	\$3,198
GMV951155DXA	Upflow/Horiz	115,000	109,000	5 ton	3"	15A	LPM-05	24-1/2	\$3,595

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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SPLIT SYSTEM

AIR CONDITIONERS

13 SEER

R22



The Distinctions™ brand GSC13 13 SEER Air Conditioner offers economical and dependable cooling comfort and energy-efficient performance. The GSC13 has been designed with application flexibility, convenient service, maintenance and installation in mind. Value-driven engineering, money-saving performance, reliable components and our quality manufacturing make GSC13 units perfect for the value-minded homeowner or cost-conscious builder.

Standard Features

- R-22 refrigerant • Energy-efficient Copeland® compressor • Fully charged for 15' of tubing length • Factory-installed filter dryer • Copper tube, enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • 13 SEER performance with flowrater expansion device • ARI Certified; ETL Certified.

Cabinet Features

- Unique sound control top design • Steel louver coil guard • Baked-on powder-paint finish • Rust-resistant coated screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories.

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
GSC130181A	19,000	3/8	3/4	15	30 x 30	\$1,470
GSC130241A	23,000	3/8	3/4	20	30 x 30	\$1,643
GSC130301A	29,000	3/8	3/4	20	30 x 30	\$1,723
GSC130361A	35,000	3/8	3/4	20	30 x 30	\$1,913
GSC130421A	40,500	3/8	7/8	30	30 x 30	\$2,168
GSC130481A	45,500	3/8	7/8	40	30 x 30	\$2,443
GSC130601A	57,000	3/8	7/8	50	36 x 36	\$2,833

DISTINCTIONS EQUIPMENT

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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SPLIT SYSTEM

AIR CONDITIONERS

13 SEER

R22

FAN COIL MATCHUPS - AC										
Model	Constant Speed ARUF/ARPF	SEER	Var Speed	SEER	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBR	SEER MBE
GSC13018	ARUF1824	13	AEPF1830	14	0800+	1200+	CAPF1824B6A	CHPF2430B6A	13	14
GSC13024	ARUF1824	13	AEPF1830	14	0800+	1200+	CAPF1824B6A	CHPF2430B6A	13	14
GSC13030	ARUF3030	13	AEPF1830	14	1200+	1200+	CAPF3030B6A	CHPF3642B6A	13	14
GSC13036	ARUF3642	13	AEPF3036	14	1600+	1600+	CAPF3636C6A	CHPF3642C6A	13	14
GSC13042	ARUF3642	13	AEPF4260	14	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13	14
GSC13048	ARUF4860	13	AEPF4260	14	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13	14
GSC13060	ARUF4860	13	AEPF4260	13.5	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13	13.5

DISTINCTIONS EQUIPMENT

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R22



The Distinctions™ brand GSC14 14 SEER Air Conditioner offers economical and dependable cooling comfort and energy-efficient performance. The GSC14 has been designed with application flexibility, convenient service, maintenance and installation in mind. Value-driven engineering, money-saving performance, reliable components and our quality manufacturing make GSC14 units perfect for the value-minded homeowner or cost-conscious builder.

Standard Features

- R-22 refrigerant • Energy-efficient Copeland® compressor • Fully charged for 15' of tubing length • Factory-installed filter dryer • Copper tube, enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • 14 SEER performance with flowrater expansion device • ARI Certified; ETL Certified

Cabinet Features

- Unique sound control top design • Steel louver coil guard • Baked-on powder-paint finish • Rust-resistant coated screws • Compact footprint • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories.

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
GSC140181A	18,000	3/8	3/4	15	30 x 30	\$1,973
GSC140241A	24,000	3/8	3/4	20	30 x 30	\$2,025
GSC140301A	28,800	3/8	3/4	20	30 x 30	\$2,078
GSC140361A	34,600	3/8	7/8	20	30 x 30	\$2,263
GSC140421A	40,000	3/8	7/8	30	36 x 36	\$2,538
GSC140481A	45,500	3/8	7/8	40	36 x 36	\$2,740
GSC140601A	56,000	3/8	7/8	50	36 x 36	\$3,255

DISTINCTIONS EQUIPMENT

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R22

FAN COIL MATCHUPS - AC										
Model	Constant Speed - ARUF/AR PF	SEER	Variable Speed	SEER	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBR	SEER MBE
GSC140181	TBD	TBD	AEPF1830	15	0800+	1200+	CAPF3131B6A	CHPF2430B2C	14	15
GSC140241	TBD	TBD	AEPF3036	15	0800+	1200+	CAPF3636B6A	CHPF2430B2C	14	15
GSC140301	TBD	TBD	AEPF3036	15	1600+	1600+	CAPF3642C6A	CHPF3642C6A	14	15
GSC140361	TBD	TBD	AEPF4260	15	1600+	1600+	CAPF4860C6A	CHPF3642D6A	14	15
GSC140421	TBD	TBD	AEPF4260	15	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14	15
GSC140481	TBD	TBD	AEPF4260	15	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14	15
GSC140601	TBD	TBD	AEPF4260	15	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14	15
*NOTE: All GSC14018 units require TX3N2 to make above rating.										

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R410A



The Distinctions® SSX14 14 SEER Air Conditioner uses the environmentally friendly refrigerant R-410A and features operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. The SSX14 features a high-efficiency Copeland® scroll compressor and is designed for the consumer who desires superior comfort, quiet operation, and environmentally friendly performance.

Standard Features

- R-410A environmentally friendly refrigerant • High-efficiency Copeland® scroll compressor • High-quality compressor sound blanket • High-pressure switch; low-pressure switch • Factory-installed filter dryer • 850 RPM condenser fan motor • Copper tube/enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • Contactor with lug connection • Ground lug connection • ARI Certified • ETL Certified

Cabinet Features

- Unique sound control top design • Steel louver coil guard • Heavy-gauge galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
SSX140181A	18,000	3/8	3/4	20	30 x 30	\$2,373
SSX140241A	24,000	3/8	3/4	30	30 x 30	\$2,470
SSX140301A	28,800	3/8	3/4	30	30 x 30	\$2,558
SSX140361A	34,600	3/8	7/8	30	30 x 30	\$2,790
SSX140421A	40,000	3/8	7/8	40	30 x 30	\$3,083
SSX140481A	45,000	3/8	7/8	40	36 x 36	\$3,330
SSX140601A	56,800	3/8	7/8	60	36 x 36	\$3,983

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R410A

FAN COIL MATCHUPS - AC				
Model	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBE
SSX140181A	1200	CAPF3131+TXV	CHPF2430+TXV	15
SSX140241A	1200	CAPF3636	CHPF3636	15
SSX140301A	1200	CAPF3636	CHPF3636	15
SSX140361A	1600	CAPF4860	CHPF3642	15
SSX140421A	2000	CAPF4860	CHPF4860	15
SSX140481A	2000	CAPF4860	CHPF4860	15.5
SSX140601A	2000	CAPF4860	CHPF4860	15
*NOTE: All SSX14018 units require TX3N4 to make above rating.				

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SPLIT SYSTEM

AIR CONDITIONERS

16 SEER

R410A



The Distinctions® SSX16 16 SEER Air Conditioner uses the environmentally friendly refrigerant R-410A and features operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. The SSX16 features a high-efficiency Copeland® scroll compressor and is designed for the consumer who desires superior comfort, quiet operation, and environmentally friendly performance.

Standard Features

- R-410A environmentally friendly refrigerant • High-efficiency Copeland® scroll compressor • High-quality compressor sound blanket • High-pressure switch; low-pressure switch • Factory-installed filter dryer • 850 RPM condenser fan motor • Copper tube/enhanced aluminum fin coil • Sweat connection service valves with easy access to gauge ports • Contactor with lug connection • Ground lug connection • ARI Certified • ETL Certified

CABINET FEATURES

- Unique sound control top design • Steel louver coil guard • Heavy-gauge galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval • Top and side maintenance access • Single-panel access to controls with space provided for field-installed accessories.

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
SSX160241A	24,000	3/8	3/4	30	30 x 30	\$3,020
SSX160361A	36,000	3/8	3/4	30	30 x 30	\$3,155
SSX160481A	48,000	3/8	7/8	40	36 x 36	\$4,008
SSX160601A	60,000	3/8	7/8	50	36 x 36	\$4,658

FAN COIL MATCHUPS - AC						
Model	Variable Speed	SEER	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER MBE
SSX160241A	AEPF303616+TX3N4	16	1600	CAPF3636+TXV	CHPF3636+TXV	16
SSX160361A	AEPF426016+TX3N4	16	2000	CAPF4860+TXV	CHPF4860+TXV	16
SSX160481A	AEPF426016+TX5N4	15.5	2000	CAPF4860+TXV	CHPF4860+TXV	16
SSX160601A	AEPF426016+TX5N4	16	2000	CAPF4860+TXV	CHPF4860+TXV	16/15.5
*NOTE: All SSX16 units require TXV to make above rating.						

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SPLIT SYSTEM

HEAT PUMPS

13 SEER

R22



The Distinctions™ brand GSH13 heat pump features a louvered metal guard that protects the coil from damage and strengthens the unit. Designed for ground-level or rooftop mount, the unit has a base pan that elevates it above the slab for excellent water drainage.

Standard Features

Energy-efficient Copeland® compressor • Copper tube/aluminum fin coil • 850 RPM condenser fan motor • R-22 refrigerant-charged for 15' of refrigerant lines • Liquid refrigerant return protection • Factory-installed liquid line filter dryer • Low-pressure switch • Time-initiated, temperature-terminated defrost control • Brass liquid and suction service valves • Contactor with lug connection • Ground lug connection • ARI Certified; ETL Certified

Cabinet Features

Steel louver coil guard • Heavy-gauge, galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500- hour salt-spray approval.

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
GSH130181A	18,000	3/8	3/4	15	30 x 30	\$2,108
GSH130241A	23,000	3/8	3/4	20	30 x 30	\$2,195
GSH130301A	28,000	3/8	3/4	20	30 x 30	\$2,465
GSH130361A	35,000	3/8	7/8	20	30 x 30	\$2,678
GSH130421A	45,000	3/8	7/8	40	30 x 30	\$2,840
GSH130481A	40,000	3/8	7/8	30	30 x 30	\$3,163
GSH130601A	55,500	3/8	7/8	50	36 x 36	\$3,765

FAN COIL MATCHUPS - HP

Model	Single Speed - ARUF or ARPF	SEER / HSPF	Variable Speed	SEER / HSPF	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER / HSPF	SEER / HSPF
GSH130181A	ARUF1824	13/7.7	AEPF1830	14/8.0	0800+	1200+	CAPF1824B6A	CHPF1824B6A	13/7.7	14/8.0
GSH130241A	ARUF1824	13/7.7	AEPF1830	14/8.0	0800+	1200+	CAPF1824B6A	CHPF1824B6A	13/7.7	14/8.0
GSH130301A	ARUF3030	13/7.7	AEPF1830	14/8.0	1200+	1200+	CAPF3131B6A	CHPF2430B6A	13/7.7	14/8.0
GSH130361A	ARUF3642	13/7.7	AEPF3036	14/8.0	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13/7.7	14/8.0
GSH130421A	ARUF3642	13/8.0	AEPF4260	14/8.2	1600+	1600+	CAPF3642C6A	CHPF3642C6A	13/8.0	14/8.2
GSH130481A	ARUF4860	13/8.2	AEPF4260	14/8.4	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13/8.2	14/8.4
GSH130601A	ARUF4860	13/8.5	AEPF4260	13/8.6	2000+	2000+	CAPF4860D6A	CHPF4860D6A	13/8.5	13.5/8.6

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SPLIT SYSTEM

HEAT PUMPS

14 SEER

R22



The Distinctions™ brand GSH14 heat pump features a louvered metal guard that protects the coil from damage and strengthens the unit. Designed for ground-level or rooftop mount, the unit has a base pan that elevates it above the slab for excellent water drainage.

Standard Features

Energy-efficient Copeland® compressor • Copper tube/aluminum fin coil • 850 RPM condenser fan motor • R-22 refrigerant-charged for 15' of refrigerant lines • Liquid refrigerant return protection • Factory-installed liquid line filter dryer • Low-pressure switch • Time-initiated, temperature-terminated defrost control • Brass liquid and suction service valves • Contactor with lug connection • Ground lug connection • ARI Certified; ETL Certified

Cabinet Features

Steel louver coil guard • Heavy-gauge, galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500- hour salt-spray approval

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
GSH140181A	18,000	3/8	3/4	15	30 x 30	\$2,523
GSH140241A	24,000	3/8	3/4	20	30 x 30	\$2,573
GSH140301A	28,000	3/8	3/4	20	30 x 30	\$2,863
GSH140361A	34,600	3/8	7/8	20	30 x 30	\$3,175
GSH140421A	39,500	3/8	7/8	30	36 x 36	\$3,495
GSH140481A	46,000	3/8	7/8	40	36 x 36	\$3,768
GSH140601A	55,500	3/8	7/8	50	36 x 36	\$4,490

FAN COIL MATCHUPS - HP

Model	Variable Speed	SEER / HSPF	2-Pc MBR	2-Pc Var Speed MBE	Upflow Coil	Horizontal Coil	SEER / HSPF	SEER / HSPF
GSH140181A*	AEPF1830+TX3N2	15/8.2	0800+	1200+	CAPF3131B6A	CHPF2430B6A	14/8.2	15/8.2
GSH140241A*	AEPF3036+TX3N2	15/8.2	0800+	1200+	CAPF3636B6A	CHPF3636B6A	14/8.2	15/8.4
GSH140301A*	AEPF3036+TX3N2	15/8.4	1600+	1600+	CAPF3642C6A	CHPF3642D6A	14/8.4	15/8.4
GSH140361A*	AEPF4260+TX3N2	15/8.75	1600+	2000+	CAPF4860**	CHPF4860D6A	14/8.75	15/8.75
GSH140421A*	AEPF4260+TX5N2	15/9.0	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14/8.75	15/9.0
GSH140481A*	AEPF4260+TX5N2	15/8.75	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14/8.5	15/8.75
GSH140601A*	AEPF4260+TX5N2	14.5/9.0	2000+	2000+	CAPF4860D6A	CHPF4860D6A	14/8.5	15/9.0

*NOTE: All GSH14 units require TX3N2 or TX5N2 TXV to make above ratings.

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SPLIT SYSTEM

HEAT PUMPS

14 SEER

R410A



The Distinctions® SSZ14 14 SEER Heat Pump uses the environmentally friendly refrigerant R-410A and features operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. With its 14 SEER rating, the SSZ14 will help reduce energy consumption throughout the life of the system.

Standard Features

R-410A environmentally friendly refrigerant • High-efficiency Copeland® scroll compressor • High- and low-pressure switches

- High-quality compressor sound blanket • 850 RPM condenser fan motor • Liquid refrigerant return protection • Factory-installed, bi-flow liquid line filter dryer • Service valves with sweat connections and gauge ports • Copper tube/enhanced aluminum fin coil • Reliable time-initiated, temperature terminated defrost control • Contactor with lug connection • Ground lug connection • ARI Certified; ETL Certified

Cabinet Features

- Unique sound control top design • Steel louver coil guard • Heavy-gauge galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval • Top and side compressor and tubing access • Service ports and controls are accessible while unit is operating

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
SSZ140181A	18,000	3/8	3/4	20	30 x 30	\$2,953
SSZ140241A	24,000	3/8	3/4	30	30 x 30	\$3,015
SSZ140301A	28,000	3/8	3/4	30	30 x 30	\$3,353
SSZ140361A	35,000	3/8	7/8	30	30 x 30	\$3,718
SSZ140421A	40,000	3/8	7/8	40	30 x 30	\$4,093
SSZ140481A	45,000	3/8	7/8	40	36 x 36	\$4,415
SSZ140601A	57,600	3/8	7/8	60	36 x 36	\$5,260

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SPLIT SYSTEM

HEAT PUMPS

14 SEER

R410A

FAN COIL MATCHUPS - HP								
Model	Single Speed - ARUF or ARPF	SEER / HSPF	2-Pc MBR	2-Pc Var Speed MBE	CAPF Upflow Coil	CHPF Horizontal Coil	SEER / HSPF	SEER / HSPF
SSZ140181A	193116+TX3N4	15/8.3	800	1200	3131+TXV	2430+TXV	14/8.1	15/8.1
SSZ140241A	193116+TX3N4	14/8.5	800	1200	3636+TXV	3636+TXV	14/8.3	15/8.3
SSZ140301A	193116+TX3N4	14/8.5	1600	1200	3636+TXV	3642+TXV	14/8.5	15/8.5
SSZ140361A	374316+TX3N4	14/9	1600	2000	4860+TXV	3642+TXV	14/9	15/9
SSZ140421A	374316+TX5N4	14/9	2000	2000	4860+TXV	4860+TXV	14/9	15/9
SSZ140481A	374316+TX5N4	14/8.5	2000	2000	4860+TXV	4860+TXV	14/8.5	15/9
SSZ140601A	374316+TX5N4	13.5/8.5	2000	2000	4860+TXV	4860+TXV	14/8.5	15/9
*NOTE: All SSZ14 units require TX3N4 or TX5N4 TXV to make above ratings.								

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SPLIT SYSTEM

HEAT PUMPS

16 SEER

R410A



The Distinctions® SSZ16 16 SEER Heat Pump uses the environmentally friendly refrigerant R-410A and features operating sound levels that are among the best in the heating and cooling industry. R-410A is chlorine-free to help prevent damage to the ozone layer. With its 16 SEER rating, the SSZ16 will help reduce energy consumption throughout the life of the system.

Standard Features

R-410A environmentally friendly refrigerant • High-efficiency Copeland® scroll compressor • High- and low-pressure switches • High-quality compressor sound blanket • 850 RPM condenser fan motor • Liquid refrigerant return protection • Factory-installed, bi-flow liquid line filter dryer • Service valves with sweat connections and gauge ports • Copper tube/enhanced aluminum fin coil • Reliable time-initiated, temperature terminated defrost control • Contactor with lug connection • Ground lug connection • ARI Certified; ETL Certified

Cabinet Features

Unique sound control top design • Steel louver coil guard • Heavy-gauge galvanized-steel cabinet • Attractive Architectural Gray powder-paint finish with 500-hour salt-spray approval • Top and side compressor and tubing access • Service ports and controls are accessible while unit is operating

Part No	BTU Output	Liquid Line	Suction Line	Brkr Sz	Pad Size	Price
SSZ160241A	24,000	3/8	3/4	30	30 x 30	\$3,925
SSZ160361A	36,000	3/8	7/8	30	36 x 36	\$4,883
SSZ160481A	48,000	3/8	7/8	40	36 x 36	\$5,800
SSZ160601A	60,000	3/8	7/8	50	36 x 36	\$6,720

FAN COIL MATCHUPS - HP						
Model	Variable Speed	SEER / HSPF	2-Pc Var Speed MBE	CAPF Upflow Coil	CHPF Horizontal Coil	SEER / HSPF
SSZ160241A	AEPF303616+TX3N4	16/9.5	1600	3636+TXV	3636+TXV	16/9.5
SSZ160361A	AEPF426016+TX3N4	16/9.75	2000	3642+TXV	3642+TXV	16/9.75
SSZ160481A			2000	4860+TX5N4	4860+TXV	16/9.75
SSZ160601A			2000	4860+TX5N4	4860+TXV	16/9.75

*NOTE: All SSZ16 units require TX3N4 or TX5N4 TXV to make above ratings.

AIR HANDLERS

MODULAR
3 SPEED
R22/R410A



The Amana® brand MBR modular blower sections are tailor-made for exceptional energy efficiency. These blowers are designed with quality components and assembled with excellent craftsmanship. When matched with our cased coils for upflow, downflow and horizontal applications, these 2-piece blower coils increase both installation and application flexibility.

Quality Design Features

All models include foilface insulation. The insulation is glued in place and covers the entire blower case; therefore, it reduces operating sound and opportunities for cabinet condensation.

Cabinet Durability and Installation Flexibility

The cabinet is constructed from galvanized steel that is formed and painted to produce one of the best cabinets available on the market today. The two sides and back are made from a single piece of steel to increase rigidity and to make installations easier. Bottom flanges are formed inwardly for additional strength and to provide a good mounting surface for a cased-coil section to form a two-piece blower coil. Connector plates and screws are shipped with the MBR.

Easy to Service Controls

MBR blowers use the HKR electric heat kits that are used in single-piece air handlers. The MBR control board includes a fan delay in the cooling mode and is isolated from the air stream.

Part No	Description	Cfm	Voltage	Brkr Sz	Size WxHxD	Price
MBR0800AA1	Multi-position	800	208/240/1	15	17-1/2 x 26 x 21	\$548
MBR1200AA1	Multi-position	1200	208/240/1	15	17-1/2 x 26 x 21	\$583
MBR1600AA1	Multi-position	1600	208/240/1	15	21 x 30 x 21	\$635
MBR2000AA1	Multi-position	2000	208/240/1	15	24-1/2 x 30 x 21	\$668

DISTINCTIONS EQUIPMENT

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DISTINCTIONS EQUIPMENT

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AIR HANDLERS

MODULAR

VARIABLE SPEED

R22/R410A



The Amana® brand MBE modular blower sections are tailor-made for exceptional energy efficiency. These blowers are designed with quality components and assembled with excellent craftsmanship. When matched with our cased coils for upflow, downflow and horizontal applications, these 2-piece blower coils increase both installation and application flexibility.

Quality Design Features.

All models include foilface insulation. The insulation is glued in place and covers the entire blower case; therefore, it reduces operating sound and opportunities for cabinet condensation.

Cabinet Durability and Installation Flexibility

The cabinet is constructed from galvanized steel that is formed and painted to produce one of the best cabinets available on the market today. The two sides and back are made from a single piece of steel to increase rigidity and to make installations easier. Bottom flanges are formed inwardly for additional strength and to provide a good mounting surface for a cased-coil section to form a two-piece blower coil. Connector plates and screws are shipped with the MBE.

Easy to Service Controls

MBE blowers use the HKR electric heat kits that are used in single-piece air handlers. The MBR control board includes a fan delay in the cooling mode and is isolated from the air stream.

Variable-speed Motors

MBE models feature the GE ECM motor. This variable-speed motor features quiet ramp-up and ramp-down operation, while improving the overall air distribution in the HVAC system. With input from a field-installed humidity control, the MBE can respond to excess humidity conditions in the cooling mode. ECM motors use less electricity than the constant-speed PSC motors.

Part No	Description	Cfm	Voltage	Brkr Sz	Size WxHxD	Price
MBE1200AA1	Multi-position	1200	208/240/1	15	17-1/2 x 26 x 21	\$1,220
MBE1600AA1	Multi-position	1600	208/240/1	15	21 x 30 x 21	\$1,308
MBE2000AA1	Multi-position	2000	208/240/1	15	24-1/2 x 30 x 21	\$1,403

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AIR HANDLERS

SINGLE PIECE

3 SPEED PAINTED

R22/R410A



The Amana® brand ARPF Multi-Position, Multi-Speed Air Handlers are suitable for use with refrigerants R-410A and R-22. ARPF models feature a check flowrater expansion device.

Standard Features

Models are suitable for use with refrigerants R-410A and R-22 . Check flowrater expansion device (ARPF) • Direct-drive, multi-speed motor • Transformer and blower time-delay on all units • Copper tube/aluminum fin coil • Factory-sealed models achieve a 2% or less leakage rate at 1.0" water gauge external duct static pressure • ARI Certified • ETL Certified.

Cabinet Features

• Fully insulated, painted steel cabinet with attractive Architectural Gray finish • Built-in coil has horizontal, vertical, and downflow drain pans with secondary drain connections • Built-in filter rack for 1" filter (filter not included)• Power supply entry at top; low-voltage entry on top and both sides.

Accessories

• 3 kW to 21 kW electric heat kits available as field-installed options • Permanent washable plastic air filters • Coil Insulation Kits for downflow applications(DPI18-30/20,DPI36-42/20, DPI48-61/20) Horizontal drain pan insulation kits ((DPIH 18-32, DPIH 36-42, DPIH 48-61)

Part No	Description	Tonnage	Voltage	Brkr Sz	Weight	Dimensions WxDxH	Price
ARPF182416AA	Multi-position	1.5-2	208/240/1	15	120	15-1/2 X 22 X 41-1/8	\$960
ARPF193116AA	Multi-position	1.5-2	208/240/1	15	120	19-1/2 X 22 X 46-3/4	\$1,330
ARPF303016AA	Multi-position	3.5	208/240/1	15	144	19-1/2 X 22 X 46-3/4	\$1,115
ARPF364216AA	Multi-position	3-3.5	208/240/1	15	173	22 X 24 X 53-1/2	\$1,358
ARPF374316AA	Multi-position	3-3.5	208/240/1	15	173	22 X 24 X 53-1/2	\$1,630
ARPF486016AA	Multi-position	4-5	208/240/1	15	192	22 X 24 X 53-1/2	\$1,638

DISTINCTIONS EQUIPMENT

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DISTINCTIONS EQUIPMENT

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AIR HANDLERS

SINGLE PIECE
3 SPEED UNPAINTED
R22/R410A



The Amana® brand ARUF Multi-Position Air Handler is suitable for use with refrigerants R-410A and R-22. This unit features a check flowrater expansion device and may be installed in a variety of locations.

Standard Features

Suitable for use with refrigerants R-410A and R-22. • Check flowrater expansion device for cooling only and heat pump applications • Direct-drive, multi-speed motor • Transformer and blower time-delay on all units • ARI Certified • ETL Certified.

Cabinet Features

• Rust-resistant, fully insulated steel cabinet • Galvanized, stucco-embossed finish • Attractive Architectural Gray painted front panels • Built-in coil has horizontal, vertical and downflow drain pans with secondary drain connections • Built-in filter rack for 1" filter (filter not included) • Power supply entry at top; low-voltage entry on left side and top.

Accessories

• 3 kW to 21 kW electric heat kits available as field-installed options • Permanent washable plastic air filters (FIL18-32, FIL36-42, FIL48-61) • Thermal Expansion Valve Kits for air conditioning-only applications • Coil Insulation Kits for downflow applications (DPI 18-30, DPI 36-42, DPI 48-61) • Horizontal drain pan insulation kits (DPIH 18-32, DPIH 36-42, DPIH 48-61)

DISTINCTIONS EQUIPMENT

Part No	Description	Tonnage	Voltage	Brkr Sz	Weight	Dimensions WxDxH	Price
ARUF172916AA	Multi-position	1.5-2	208/240/1	15	120	15-1/2 X 22 X 41-1/8	\$843
ARUF182416AA	Multi-position	1.5-2	208/240/1	15	120	15-1/2 X 22 X 41-1/8	\$858
ARUF193116AA	Multi-position	1.5-2	208/240/1	15	155	19-1/2 X 22 X 46-3/4	\$1,205
ARUF303016AA	Multi-position	2.5	208/240/1	15	144	19-1/2 X 22 X 46-3/4	\$1,000
ARUF364216AA	Multi-position	3-3.5	208/240/1	15	173	22 X 24 X 53-1/2	\$1,230
ARUF374316AA	Multi-position	3-4	208/240/1	15	250	22 X 24 X 53-1/2	\$1,495
ARUF486016AA	Multi-position	4-5	208/240/1	15	253	22 X 24 X 53-1/2	\$1,500

AIR HANDLERS

SINGLE PIECE

VARIABLE SPEED

R22/R410A



The Amana® brand AEPP Multi-Position, Variable-Speed Air Handler is suitable for use with refrigerants R-410A and R-22. This unit's blower motor allows for a soft start and stop for quieter, more efficient operation and eliminates the cold blast of air upon heating start-up. Using an ECM™ motor, this air handler is ideal for new or retrofit applications.

Standard Features

Suitable for use with refrigerants R-410A and R-22 Check flowrate expansion device for cooling and heat pump applications. Variable-speed motor Provides constant CFM over a wide range of static pressure conditions independent of duct system; provides low CFM for efficient fan-only operation. Up to 14 field-selectable airflow settings can be adjusted to optimize the system's CFM for each individual mode of operation. Improved humidity control and comfort. Compatible with heat pumps and variable-capacity cooling applications. Built-in coil has horizontal, vertical, and downflow drain pans with secondary drain connections. Complies with the Factory-sealed Air Handling Credit with or without field-installed filter kits as listed in the 2001 Florida Building Code, Chapter 13, Section 610.2.A.2.1. ARI Certified. ETL Listed

Cabinet Features

Fully painted cabinet with attractive Architectural Gray finish Compact, versatile upflow, downflow, or horizontal multiposition installations. Built-in filter rack for 1" filter (filter not included). Low-voltage cabinet connections; control circuit is arranged to permit staging. Power supply on top; low-voltage entry on top or side. Factory-sealed to achieve 2% or less leakage rate with or without field-installed filter kits at 1.0" water gauge external duct static pressure.

Part No	Description	Tonnage	Voltage	Brkr Sz	Weight	Dimensions WxDxH	Price
AEPP183016AA	Multi-position	1.5-2.5	208/240/1	15	125	19-1/2 x 22 x 46-3/4	\$1,633
AEPP303616AA	Multi-position	2.5-3	208/240/1	15	176	22 x 24 x 53-1/4	\$1,993
AEPP426016AA	Multi-position	3.5-5	208/240/1	15	195	22 x 24 x 53-1/4	\$2,213

DISTINCTIONS EQUIPMENT

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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AIR HANDLERS

HEAT KITS

Standard Equipment

Controlled by sequencers for better temperature control • Multiple branch circuit capability • Contains integral circuit breaker(s) as noted • Completely assembled and tested • Built-in overcurrent protection on all units (as indicated in the Electrical Data) • Control circuitry arranged to readily permit staging • Factory-installed circuit breakers on certain models (See Electrical Data) • High-temperature limit controls • Plug-in wiring harness for ease on installation into air handler • Rust-resistant nickel chromium heat elements

Part No	Description	KW	Voltage	Price
HKR-05A	less breaker	5	208/240/1	\$78
HKR-08A	less breaker	8	208/240/1	\$100
HKR-08CA	with breaker	8	208/240/1	\$123
HKR-10A	less breaker	10	208/240/1	\$103
HKR-10CA	with breaker	10	208/240/1	\$130
HKR-15CA	with breaker	15	208/240/1	\$215
HKR-20CA	with breaker	20	208/240/1	\$228

DISTINCTIONS EQUIPMENT

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AIR HANDLERS

SINGLE PIECE

CEILING MOUNT

R22



The Amana® brand ACNF Electric Heat Air Handlers are designed to be ceiling-mounted. Their quiet operation and high performance make the ACNF series good choices for multi-family or lodging applications.

Standard Features

Check flowrater for heat pump and cooling-only applications • Direct-drive, resilient-mount, multi-speed motor • Sequence-controlled and rust-resistant nickel chromium heating elements of 5, 6, 8 and 10 kW • High-efficiency evaporator coil • Quiet operation • Available with and without heat • ARI Certified • ETL Certified

Cabinet Features

Primary/secondary drain connection in a high temperature plastic drain pan • Galvanized-steel construction • Factory-installed pull-type disconnect • Easy service access

Accessories

Heat Pump Shut-off Relay Kit: HPSK-01

Ceiling Access Panels

CAP-1/ 1L (louvered) fits AC18/24, CAP-2/ 2L (louvered) fits AC30, CAP-3/ 3L (louvered) fits AC36

Part No	Description	Tons	Voltage	Elec Heat	Brkr Sz(amps)	Weight(lbs)	Dimensions WxDxH	Price
ACNF18001	Ceiling Mount	1.5	208/230/1	no	15	59	37-1/4x21x10	\$648
ACNF18051	Ceiling Mount	1.5	208/230/1	5 kw	30	59	37-1/4x21x10	\$718
ACNF18061	Ceiling Mount	1.5	208/230/1	6 kw	40	59	37-1/4x21x10	\$743
ACNF18081	Ceiling Mount	1.5	208/230/1	8 kw	50	59	37-1/4x21x10	\$753
ACNF24001	Ceiling Mount	2	208/230/1	no	15	69	37-1/4x21x10	\$760
ACNF24051	Ceiling Mount	2	208/230/1	5 kw	30	69	37-1/4x21x10	\$823
ACNF24061	Ceiling Mount	2	208/230/1	6 kw	40	69	37-1/4x21x10	\$853
ACNF24081	Ceiling Mount	2	208/230/1	8 kw	50	69	37-1/4x21x10	\$858
ACNF24101	Ceiling Mount	2	208/230/1	10 kw	60	69	37-1/4x21x10	\$863
ACNF30001	Ceiling Mount	2-1/2	208/230/1	no	15	79	43-1/4x21x10	\$803
ACNF30051	Ceiling Mount	2-1/2	208/230/1	5 kw	30	79	43-1/4x21x10	\$863
ACNF30061	Ceiling Mount	2-1/2	208/230/1	6 kw	40	79	43-1/4x21x10	\$890
ACNF30081	Ceiling Mount	2-1/2	208/230/1	8 kw	50	79	43-1/4x21x10	\$918
ACNF30101	Ceiling Mount	2-1/2	208/230/1	10 kw	60	79	43-1/4x21x10	\$928

HVAC DISTRIBUTORS INC

DISTINCTIONS EQUIPMENT

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COILS

CASED

R22/R410



Amana® brand coils are designed for use with Amana® brand gas furnaces, split system air conditioners and heat pumps, as well as modular, two-piece blowers. Cased coils have a quality, galvanized-steel cabinet.

Standard Features

Suitable for use with R-410A and R-22 refrigerants • Rust-proof thermoplastic drain pans feature a low water-retention design • Check flowrater expansion device for heat pump for cooling-only applications • Rifled copper tubing and corrugated or wave pattern aluminum fin coils

Cased Coil Cabinet Features

Foil-face insulation • Galvanized leather-grain finish • Architectural Gray paint finish on CA and CH cased coils • Split-seam front for easy access • 17½", 21", and 24½" CHPF coils have one 3½" adapter plate • 17½", 21", and 24½" CAPF coils have two 1¾" adapter plates.

Accessories

Field-Installed Expansion Valve Kits (TX3N2, TX5N2, TX3N4, or TX5N4)

Field-Installed High-Temperature Drain Pan Kits (maximum temperature rating is 400°F) (HTP-A, HTP-B, HTP-C, HTP-D)

DISTINCTIONS EQUIPMENT

Part No	Description	Size WxHxD (in)	Price
CAPF1824A6A	upflow/downflow	14 x 18 x 21	\$443
CAPF1824B6A	upflow/downflow	17-1/2 x 22 x 21	\$450
CAPF1824C6A	upflow/downflow	21 x 22 x 21	\$515
CAPF3030A6A	upflow/downflow	14 x 22 x 21	\$548
CAPF3030B6A	upflow/downflow	17-1/2 x 22 x 21	\$560
CAPF3030C6A	upflow/downflow	21 x 22 x 21	\$568
CAPF3030D6A	upflow/downflow	24-1/2 x 22 x 21	\$593
CAPF3131B6A	upflow/downflow	17-1/2 x 22 x 21	\$543
CAPF3131C6A	upflow/downflow	21 x 26 x 21	\$560
CAPF3636A6A	upflow/downflow	14 x 26 x 21	\$608
CAPF3636B6A	upflow/downflow	17-1/2 x 26 x 21	\$620
CAPF3636C6A	upflow/downflow	21 x 26 x 21	\$650
CAPF3636D6A	upflow/downflow	24-1/2 x 26 x 21	\$675
CAPF3642C6A	upflow/downflow	21 x 30 x 21	\$748
CAPF4860C6A	upflow/downflow	21 x 30 x 21	\$883
CAPF4860D6A	upflow/downflow	24-1/2 x 30 x 21	\$870
CHPF1824A6A	Horizontal	21-1/8 x 14 x 26	\$508
CHPF2430B6A	Horizontal	21-1/8 x 17-1/2 x 26	\$605
CHPF3636B6A	Horizontal	21-1/8 x 17-1/2 x 26	\$615
CHPF3642C6A	Horizontal	21-1/8 x 21 x 26	\$693
CHPF3642D6A	Horizontal	21-1/8 x 24-1/2 x 26	\$768
CHPF4860D6A	Horizontal	21-1/8 x 24-1/2 x 26	\$870

DUCT & ACCESSORIES

HARDCAST

ALL PURPOSE DUCT SEALING ROLLED SEALANT

ALL-PURPOSE



A butyl rubber based, pressure sensitive, all purpose sealant tape provides excellent adhesion to indoor low and medium pressure duct work.
Bonding Time: Immediate Aggressive Grip, Full Bond 24 Hours.
Pressure Classes: SMACNA 1/2 , 1, 2, 3, 4 and 6 inches w.g.
Mildew Resistance: Mold and mildew resistant.

Part No	Flexibility	Seal Classes	Thicknes s	Sealant Material	Strength		Price
					Peel	Tensile	
AP1602-3	Excellent, No Cracking	SMACNAA, B, C	25 mils	Modified Butyl	17 lbs. Per Linear Inch	790 psi avg.	\$33

INDOOR OUTDOOR WATER BASED DUCT SEALANT

VERSA-GRIP



VERSA-GRIP 102 is a general purpose, water based duct sealant for use on all types of metal duct, glass fiber duct board, and flex duct, as well as duct fabric and flexible tubing runouts. VERSA-GRIP incorporates a built-in fiber reinforcement for added strength, with UV inhibitors for extended outdoor exposure. UL 181A-M listed / UL 181B-M listed.
Frame: 16 GA. Galvanized Steel interlocking stacked hat section.
Flexibility: Passes ¼ Inch Mandrel Bend
Mildew Resistance: Mold & Mildew Resistant

Part No	Size	Base	Solvent	Price
102-C	White	Synthetic Latex	Water	\$5

INDOOR/OUTDOOR DUCT SEALING ROLLED SEALANT

FOIL-GRIP



An aluminum foil backed, pressure sensitive sealant in roll form for an instant indoor/outdoor, weather resistant seal on low and medium pressure duct. Available with plain or printed foil backing. . U.L. 723 Classified.
Packaging: 100 Ft. Rolls In 2, 3, 4 & 6 Inch Widths 400 Sq. Ft. Per Case.
Bonding Time: Instant High Tack, Full Bond 24 Hours.
Mildew Resistance: Mold and mildew resistant

Part No	Flexibility	Seal Classes	Thick ness	Sealant Material	Strength		Price
					Peel	Tensile	
AFG1402-3	Excellent, No Cracking	SMACNA A, B, C	17 mils	Modified Butyl	16 lbs. Per Linear Inch	955 psi avg.	\$60

PREMIUM INDOOR/OUTDOOR FLEXIBLE WATER BASED DUCT SEALANT

ALUMA-GRIP 701



Part No	Flexibility	Pressure Classes	Seal Classes	Thic kne ss	Sealant Material	Strength		Price
						Peel	Tensil e	
AFT701-3	Excellent, No Cracking	SMACNA 1/2, 1, 2, 3, 4, 6 and 10 inches w.g.	SMACNA A, B, C	30 mils	Modified Butyl	17 lbs. Per Linear Inch	720 psi avg.	\$45

DUCT & ACCESSORIES**HARDCAST****PREMIUM INDOOR/OUTDOOR FLEXIBLE WATER BASED DUCT SEALANT****IRON-GRIP**

A premium grade, latex based sealant for indoor/outdoor low, medium and high pressure galvanized HVAC duct systems. Gray in color, this fiber-free product cures to form a tough flexible film with flexibility passes 1/4 in. mandrel bend. U.L. 181 B-M Listed. U.L. 723 Classified.

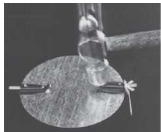
Base: Synthetic Latex

Mildew Resistance: Mold and mildew resistant.

Part No	Color	Weight Per Gallon	Seal Classes	Pressure Classes	Price
601-1	Gray	10.7 lbs.	SMACNA A, B, C	SMACNA 1/2 , 1, 2, 3, 4, 6 and 10 inches w.g.	\$70
601-C	White	10.7 lbs.	SMACNA A, B, C	SMACNA 1/2 , 1, 2, 3, 4, 6 and 10 inches w.g.	\$10

ADHESIVE REMOVER & CLEANER**UN-TACK**

Part No	Color	Consistency	Base	Solvent	Flammability	Water Resistance	Price
658-CG-12OZ	Clear	Aerosol Spray	Proprietary	Proprietary	Flammable	Water Resistance	\$23

DURO DYNE CORP**'RAPIT' DAMPER REGULATOR****REGULATOR SETS AND PARTS**

The RAPIT is an inexpensive, rattle-free regulator for quick installation on balance or splitter dampers. It is formed from rust-resistant, heavy gauge, galvanized steel and installs in seconds. The Rapit will penetrate and secure to round or rectangular damper blades up to 24 gauge steel. It has a fully retractable bearing of zinc alloy, threaded to accept a 5/16-18 wing nut and a handle that indicates the damper position.

Consists of: 1 RB-50 Rapit spring bearing; 1 RP-3 washer; 1 RP-1 handle; 1 RP-2 wing nut.

Packaging: 10 sets per carton, 100 sets per master ctn.

It's as easy to use as 1-2-3.

1. Slip the bearing over the edge of the damper at the bearing line. 2. Lay the assembly on any firm surface and rap the prong with a hammer. One blow drives the prong through the damper blade, holding it securely to the damper. 3. When hit with a hammer, the prong will automatically form up tight by the anvil, which is built into the bottom of the "Rapit" Bearing.

Part No	Model	Price
8085	RS256	\$25
8086	RS156	\$18

QUADLINE DAMPER QUADRANTS**3/8" QUADRANT SETS**

These heavy gauge Plated Steel quadrants are designed with excellent handle action as well as quick wing nut adjustment and locking of the damper. The frame is marked to show the exact position of the damper. For use on square or round ducts.

Part No	Model	Set Consists of	Price
8049	KS385L		\$10
8059	K4	3/8" quadrant only	\$5

DURO DYNE CORP
STAMPLINE REGULATORS

1/4" DIAL REGULATOR SETS AND BEARINGS



These heavy gauge plated steel regulators are among the most popular on the market. They minimize air leakage and reduce rattle. A wing nut locks the damper in position, yet permits quick readjustment. The dial shows the damper position at a glance. The regulator mounts easily on round or square ducts.
K-2 regulator; KP-6L long spring loc bearing; KP-8L long square end bearing.

Part No	Model	Set Consists of	Price
8047	KS145L	K-2 regulator; KP-6L long spring loc bearing; KP-8L long square end bearing	\$38

ADHESIVE APPLICATING SYSTEM



Easy Operation
Place the supply tube from the pump into the adhesive container. Attach the air line to the pump. The pump is selfpriming and charges the gun quickly. Hold the spray gun about 10-12" from the work. Simply depress the trigger switch to produce the spray pattern.

Versatile
The Mini-Sprayfast is lightweight; the complete unit weighs approximately 9 pounds. Its unique design allows it to be mounted in any position and it can be used with any size adhesive container - 1 gallon, 5 gallon or 55 gallon. For ease of operation, it comes complete with 10 feet of hose between the pump and the spray gun.

Easy Clean-Up
For quick clean-up disconnect the air, press the trigger switch to relieve fluid pressure and submerge the spray gun and air cap in water. For extended clean-up, simply place the adhesive supply tube into warm water, press the gun trigger and let the water run through the pump. Place the spray gun in a damp towel until its next use.

Durability
The pump is manufactured of a high strength, shock resistant, polypropylene polymer and uses a proven diaphragm pump design. The spraygun is constructed of corrosion resistant aluminum and stainless steel.

Safe
The mini-sprayfast is specifically designed for use with Duro Dyne water based adhesive. These adhesives are nonflammable and do not contain toxic solvents. No venting is required.

Part No	Description	Price
39047	Mini-Spray Fast	\$2,550

INSULATION ADHESIVE & DUCT SEALER



Part No	Description	Price
WIT5	5056 Adhesive 5 GAL	\$200

DUCT SEALER
SAS-C



Suggested Use: Recommended for sealing joints in air handing systems. **Product Features:** Water based, non-flammable, flexible & paintable. **Viscosity:** 320,000-50,000 CPS T-Bar, Spindle TC-93, 20 RPM@77°F

Part No	Color	Description	Type	Flammablility	Price
SAS-C	Grey	10oz cartridge	Siliconized Acrylic	Non-Flammable	\$8

SAS UL



Suggested Use: Recommended for sealing joints in air handing systems. **Product Features:** Water based, non-flammable, flexible & paintable. **Viscosity:** 320,000-50,000 CPS T-Bar, Spindle TC-93, 20 RPM@77°F

Part No	Color	Description	Type	Flammablility	Price
SAS-1	Grey	1gal pail	Siliconized Acrylic	Non-Flammable	\$43

DUCT & ACCESSORIES

DURO DYNE CORP

BG STANDARD BANGER AND TBG TRIPOD BANGER



The Standard and Tripod Bangers are easy to install. Place the liner over the sheet metal and drive the banger through the insulation. Upon impact, the jaws (two on standard banger and three on Tripod for added stability) of the fastener penetrate the metal and lock securely within the thickness of the metal itself. (Always place a hardened steel block behind the sheet metal at the point of impact). Bangers can be installed with the model DHH Double Header Hammer.

Part No	Approximate Pin Length Setting		Use	Quantity Per Box	Price
	Before	After			
TBGB-100	.475	.375	1/2" Insulation	5M	\$623
TBGB-12	.625	.525	1" 1-2# Density	5M	\$705

CPB34

RIB PIN



Part No	Rib Pin	Approx Clip Size	For Liner Size	Quant	Price
26029	CPB-34	3/4"	1"	5,000	\$518

CRESCENT/DURO DYNE

DRILL SCREW CHUCKS



Duro Dyne chucks are made of hardened steel and utilize a permanent magnet to keep screws firmly in place. The hex shank is designed to fit most drill motors and screw "guns". DCL-14 is utilized with screws having a 1/4" head. DCL-516 is utilized with screws having a 5/16" head.

Part No	Description	Length In Inches			Price
		Shelf Pack Wt lb	Shaf t	Overall	
16008	DCL14	.25	1	2-5/8	\$8
16009	DCL516	.25	1	2-5/8	\$8

DURO DYNE DRILL BITS

HOT ROLLED FORGED DRILL BITS



Fast Cutting - Fast Starting:
135° split point starts hole where you place it. Drill does not "walk" or mar metal or waste time.

- Long Wearing - Extra Hard
High Vanadium steels-specially hardened-make "Super-T" Drill Bits harder and longer wearing than others.
- Heavy Web Reduces Breakage
Web is the portion which is solid steel from point to shank. "Super-T" has heavier web than ordinary bits. This means more flexibility, less breakage.
- Extra Strength - Less Snapping
Roll forging allows bits to withstand stress of torsional twisting. This happens whenever a drill bit binds.
Result: Less snapping!

Part No	Desc	Diameter		Price
		inch	Qty per Pack	
TD-30	Super T drill bit	1/8	10	\$30
TED-1/8	Super T dbl end drill bit	1/8	10	\$40

DUCT & ACCESSORIES

DUCT & ACCESSORIES

DURO DYNE CORP

DYNA-TITE SYSTEM

CABLE LOCK LOAD RANGE LIMITS



- Dyna-Tite CL23 Cable Locks are sold 100 to a Box. Each Box contains 10 cartons of 10 CL23 Cable Locks.
- Wire Rope is supplied in spools. The 1/8 inch comes in 500 foot spools. The 3/16 wire rope is supplied in 250 foot spools.
(1/8 inch wire in 250 foot spools and 3/16 inch wire in 125 foot spools is available on special order.)
- The Maximum Load Range for each size incorporates a design safety factor of 5:1. The CL23 and Wire rope combination should be sized for the job so that the projected load falls within the appropriate working load limit (WLL).

Part No	Description	Code	Carton Qty	Box Qty	Price
30350	Cable Lock	CL23	10	100	\$78

EDGE SCRIBE



Stainless steel edge scribe for simple and easy marking of metal sheets. Attached magnet helps keep the tool within reach. Marks 1/8", 3/16", 1/4", 5/16", 3/8", 1/2", 5/8", 3/4", and 1".

Shelf				
Part No	Description	Pack Wt lb	Pack	Price
10015	DDX Stainless Steel Magnetic Edge Scribe	1.5	20	\$8

DURO STAPLER AND STAPLES



Part No	Description	Price
10059	DSP-1 Staples For Use With DS Duro Stapler Quantity: 5000	\$28
10065	DS Stapler	\$113

EXCELON DUCT CONNECTOR



- Excellent water resistance • Excellent tear strength **Color:** Black or Spec, Chek Orange **Base Fabric:** Woven Nylon/Polyester Blend **Weight:** Commercial Grade - 22 oz./sq. yd• Unaffected by mildew • Excellent all purpose fabric

Strength				
Part No	Coating	Tensile	Tear	Price
MBX4-100	Vinyl	240 lbs. x 220 lbs.	100 lbs. x 100 lbs.	\$333
MB X4X4X4X100	Vinyl	240 lbs. x 220 lbs.	100 lbs. x 100 lbs.	\$395

FLEXIBLE DUCT CONNECTOR

EXCELON JUNIOR DUCT CONNECTOR



Part No	Description	Price
JBX100	10169 Black Excelon Duct Conn	\$238
VR2-100	04002 Continuous Coil Vanerail	\$155

JRN-100 JUNIOR CONNECTOR



- Extremely resistant to alkalis & gasoline • Excellent on systems exposed to toxic fumes **Base Fabric:** Woven Fiberglass• Good general purpose fabric • Unaffected by mildew

Strength						Temp		Price
Part No	Color	Base Fabric	Coating	Tensile	Tear	Low	High	
JRN-100	Black	Woven Fiberglass	Neoprene	500 lbs. x 500 lbs.	13 lbs. x 13 lbs.	-40°F	Constant: 200°F	\$275

DUCT & ACCESSORIES

DURO DYNE CORP

PRO POINT SCREWS



Self drilling screws, with a precision formed drill point. Pro-Point Screws are designed to fasten heavy gage metals. These screws assure accurately sized holes for maximum holding power, eliminating the need for hole preparation and frequent alignment problems encountered in parts assembly. Pro-Points are formed from steel, heat treated and zinc plated. Additional types of packaging are available upon request.

Speed Data: Drill speeds from 1800 to 2500RPM are recommended. #8 and #10 screws can be installed up to 3600RPM.

Part No	Description	Shelf		Head Size	Price
		Pack Wt lb	Pack		
PPP 812	PPP 8 x 1/2"	20	5M	1/4"	\$290
PPP 834	PPP 8 x 3/4"	20	4M	1/4"	\$290
PPP 1034	PPP 10 x 3/4"	15	3M	1/4"	\$265
PPT 812	PPT 8 x 1/2"	4	1M	1/4"	\$65
PPT 834	PPT 8 x 3/4"	5	1M	1/4"	\$78
PPT 1012	PPT 10 x 1/2"	4	1M	1/4"	\$98
PPT 1034	PPT 10 x 3/4"	5	1M	1/4"	\$95
PPT 101	PPT 10 x 1"	6	1M	1/4"	\$123

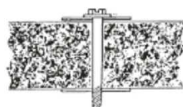
SUPER SABERS



All Standard Saber Screws are 1/4" Head. Designed for light-to medium-gauge materials, the Super Saber Point offers one-step fastening. Its time saving performance is related to the saber-sharp piercing point with a "fine-cut" machine thread, which pierces the metal upon contact. Once pierced, the thread propels the screw through metal rapidly and almost without effort.

Part No	Description	Item Size	Head Size	Price
SAT 712	SBR PT 1000 PK	7 x 1/2	1/4"	\$35
SAT 812	SBR PT 1000 PK	8 x 1/2	1/4"	\$38
SAT 834	SBR PT 1000 PK	8 x 3/4	1/4"	\$45
SAT 10 x 12	SBR PT 1000 PK	10 x 1/2	1/4"	\$48
SAT 1034	SBR PT SCRW 1M-PK	10 x 3/4	1/4"	\$55
SAT 101	SBR PT SCRW 1M-PK	10 x 1	1/4"	\$63
SAT 810	SBR PT 1000 PK	8 x 1	1/4"	\$48
SAT 8112	SBR PT 1000 PK	8 x 1.5	1/4"	\$65
SAT 8 x 2	SBR PT 1000 PK	8 x 2	1/4"	\$93
SAP 812	SBR PT 5000 PK	8 x 1/2	1/4"	\$168
SAP 834	SBR PT 4000 PK	8 x 3/4	1/4"	\$168

GLASLINE SCREWS & WASHERS



No. 8 Drill Screw with 1/2" of thread. Back-up plate to accept No. 8 screw. Head plates as required. Use for all types of fastening such as attachment of damper regulators, controls, clips, vanes, closures, etc.

Part No	Description	Quant	Price
36062	GSP-Glasline Stop Screw Back-up Plate	100	\$28
36063	GSH-Glasline Stop Screw Head Plate	100	\$28

RIVET GUN



Designed for 1/8", 5/32", 3/16" diameter rivets. Releases pin from installed rivets using front of tool. Tool is made of cast aluminum with plastic handle grips for comfort.

Part No	Description	Price
22030	PR-5 for Rivet dia. 1/8", 5/32", 3/16"	\$108

DUCT & ACCESSORIES

DURO DYNE CORP

PIN RIVETS

STEEL RIVET STEEL PIN



Part No	Pack Wt lb	Shelf	
		Pack	Price
23002	3	1M	\$43
29004	28	10M	\$415

SAH SELF ADHESIVE INSULATION HANGER



Dynastick Self Adhesive Insulation Hangers are insulation hangers with a self-stick base. Just peel the release paper from the hanger base and firmly press the base to the duct surface. Impale the insulation over the hanger nail and slip on the locking washer. Self-stick hangers adhere to clean metal surfaces and withstand temperatures of up to 79°C.

Part No	Code	Use	Approximate			Price
			Quantity Per Box	Length	Pin Length	
26040	SAHB134	1 1/2" - 1 1/2" Density	500		1.75	\$155
26068	SAH114	1" Insulation	100	1.25		\$33
26069	SAH134	1" Insulation	100	1.75		\$35

VINYL DURO STRAP



Designed For Hanging: • Flexible Duct • PVC Vent Duct **Packaging:** 10 Rolls per Master Carton **Base Fabric:** Woven Polyester • Duct Board Systems • Many Lighter Weight Steel Duct Applications

Part No	Description	Base Fabric	Strength			Price
			Tensile	Tear	Total Fabric Thickness	
10201	Vinyl Duro Strap 1.5"x200	Woven Polyester	70 lbs Per Inch	8 lbs Per Inch	.022 Approx.	\$40

DEFLECT-O CORPORATION

BATHROOM VENTING

BATHROOM VENT ALUMINUM HOOD



Part No	Description	Price
DAVHA3	3" Aluminum Vent Hood	\$15

DRYER VENTING

DRYER VENT HOODS W/ALUMINUM VENT HOOD



Includes Hood, Aluminum Pipe & Collar.

Part No	Description	Price
DAVHA4	4" Aluminum Hood	\$18

DRYER VENT W/WIDE MOUTH HOOD W/REMOVABLE BIRD & RODENT GUARD



Includes Hood W/Bird Guard, Aluminum Pipe & Collar.

Part No	Description	Price
RVHAB4	4" Brown Hood; Assembled	\$10

DUCT & ACCESSORIES

DEFLECT-O CORPORATION

DRYER VENTING

VENT HOODS - SUPURR-VENT® LOUVERED VENT HOODS



Part No	Description	Price
HS4W	4" White Hood	\$5
HS6W	6" White Hood	\$13

DUCT ACCESSORIES

CLAMPS

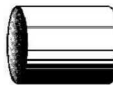
METAL WORN DRIVE CLAMP

Accommodates Semi rigid Aluminum Duct.



Part No	Description	Price
MC4	4" Clamp	\$3

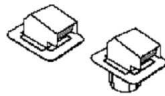
DUCT CONNECTOR - ALUMINUM



Part No	Description	Price
DAC-3	3" Aluminum Connector	\$8

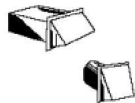
KITCHEN VENTING

ALUMINUM ROOF VENTS



Part No	Description	Price
DARC4	4" Diameter Exhaust Hole; No Tailpipe	\$33

ALUMINUM WALLCAPS



Part No	Description	Price
DAHC6	6" Hood With 3" Tailpiece; Aluminum	\$45
DAWC	31/4" x 10" Aluminum	\$45

NON-INSULATED DUCT

SEMI-RIGID FLEXIBLE ALUMINUM DUCT

CRIMPED END



Part No	Description	Price
A038C	3" x 8 Duct	\$13
A048C	4" x 8 Duct	\$15
A058C	5" x 8 Duct	\$25
A068C	6" x 8 Duct	\$20

DUCT & ACCESSORIES

DEFLECT-O CORPORATION

NON-INSULATED DUCT

SUPURR-FLEX® - UL LISTED 181 CLASS I AIR CONNECTOR

PURE ALUMINUM, MULTI-LAYERED, FLEXIBLE METALLIC DUCT



Part No	Description	Price
FUL0425	4" x 25 Supurr-Flex® duct; UL 181	\$45
FUL0625	6" x 25 Supurr-Flex duct; UL 181	\$105

VINYL HOSE - DRYER VENTING



Part No	Description	Price
BH350W	3" x 50 White Vinyl Hose	\$30
BH450W	4" x 50 White Vinyl Hose	\$30

SPECIALITY HOODS AND FRESH AIR INTAKE HOODS

FRESH AIR INTAKE VENTS W/MOLDED PLASTIC GRID



Part No	Description	Price
HSM6W	6" White Fixed Louvered Hood	\$20
RVMAW4	4" White Wide Mouth Hood W/Pipe; asb.	\$13

PLASTIC EXHAUST ROOF CAPS

NO LOUVERS OR SCREENS



Part No	Description	Price
RCDV	Roof Cap Exhaust Vent W/Flapper & No Grid; Black	\$53

DUCTMATE INDUSTRIES

SPIRAL PIPE HANGING SYSTEM

CLUTCHER WIRE ROPE HANGER



- Can be used on a variety of mechanical systems
- Wire and Clutch sold separately
- Eliminates the need to stock pre-cut wire
- Tapered bore design for fast and easy installation
- Easily adjust hanging height by hand
- Extremely strong
- Offers a 5 to 1 safety factor
- Available in a variety of sizes for different weights
- Items can be hung at angles up to 60° from vertical
- Lightweight design reduces the risk of on-site accidents
- Aesthetically pleasing

Part No	Load Rating	Recommended Ductmate Wire Rope	Quantity		Price
			Box	Bag	
CL10	125 lbs.	WR10	200	10	\$48
CL20	250 lbs.	WR20	150	10	\$58

DUCT & ACCESSORIES

DUCTMATE INDUSTRIES

SPIRAL PIPE HANGING SYSTEM

WIRE ROPE BEAM CLAMP



- Can be used on a variety of mechanical systems • Wire & EZ-Lock sold separately • Eliminates the need to stock pre-cut wire • Locking nut for fast and easy adjustments • Extremely Strong • Offers a 5 to 1 safety factor • Eliminates the need for heavy and potentially dangerous threaded rod • Aesthetically pleasing

Part No	Description	Price
EZLB20P	Beam Clamp (Bag of 5pc)	\$69

SPIRAL PIPE HANGING SYSTEM

WIRE ROPE

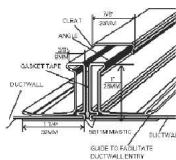


- Superior strength • Corrosion resistant • Supplied in coils to reduce waste • Coils were designed for strength easy to use
- Available in a variety of sizes and lengths

Part No	Description	Specified Breaking Load	Price
WR10500	#10 Wire Rope	826 lbs.	\$165
WR20500	#20 Wire Rope	1697 lbs.	\$170

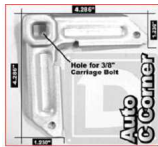
DUCT CONNECTOR SYSTEM

DUCTMATE 25/35 RECTANGULAR FLANGE SYSTEM



Part No	Mfg No	Description	Tape	Price
D2510GA	DM25	Flange	440	\$28
D3510GA	DM35	Flange	440	\$33

CORNERS



Part No	Description	Qty/box	Price
CGBA	3/8X1 CARRIAGE BOLT/NUT	50	\$353
DC35GA	Corner 12ga (requires nut & bolt [CBGA])	250	\$353
D3BGA	16ga corner w/ corner clip (for DM35 Flange)	250	\$348
DJRGA	16ga corner w/ corner clip (for DM25 flange)	250	\$240

CLEAT



Part No	Description	Ctn Qty	Price
D6CGA	6in. Metal Cleat for 25,35 flange	500	\$273
DV6CGA	Versa-Cleat for 45 or TDC flange	250	\$99

DUCT CONNECTOR SYSTEM

440 GASKET TAPE



For use with all Ductmate Flange Systems.

Part No	Mfg No	Description	Price
440	440	25 Roll	\$138

DUCT & ACCESSORIES

DUCTMATE INDUSTRIES

PROFLEX™

FLEXIBLE DUCT CONNECTOR



Description - Single Fold Flexible duct connector that eliminates duct system noises and vibrations for industrial, commercial and residential applications.**Basic Use** To isolate the vibration and noises to the source, an air-tight flexible joint, consisting of a fabric which is secured to sheet metal on both sides. Typically the connector is inserted between the equipment and the ductwork.

Part No	Gauge	Size	Fabric	Price
PFC3VSGA	24	3"	Vinyl Super Duty	\$258
PFC4VSGA	24	4"	Vinyl Super Duty	\$373
PFR03VSGA	28	3"	Vinyl	\$165

PRORAIL

PRORAIL



Description 2" and 4" Turning Vane Rail **Basic Use** Provides a self-aligning, easy means of securing turning vanes for the purpose of directing air around mitered elbows.**Special Characteristics** • Precision stamped from hot-dipped galvanized steel • Pressure tested to 15" w.g. with no separation.

Part No	Gauge	Size	Ft Per Carton	Price
2PRGA24	24	2"	100	\$18
4PRGA22	22	4"	100	\$28
4PRGA24	24	4"	100	\$28

PRORAIL

TURNING VANE



10' Galvanized.

Part No	Description	Pkg	Price
2VGA26	2" Vane, 26 Gauge	10pc	\$15
4VGA24	4" Vane, 24 Gauge	5pc	\$32

SEALANTS, ADHESIVES AND MASTIC

PROSEAL



• UL Classified • Permanently Flexible • Non-Flammable • Exceptional Workability • Will Not Drip or Sag • Low Brush Drag and Spreadability Reduces Labor Cost • Low Shrinkage • Excellent Adhesion to Metal • Mild Odor • Indoor or Outdoor Use • Superior Sealing Strength • Conforms to Requirements of NFPA 90A and 90B • Mildew Resistant • No VOC's

Part No	Description	Weight	Color	Type	Price
PROSEAL1	1 GALLON	11 ± .2 lbs per gallon	Gray	Water Base	\$33
PROSEALT	10.5 OZ	11 ± .2 lbs per gallon	Gray	Water Base	\$5

SEALANTS, ADHESIVES AND MASTIC

DUCT LINER ADHESIVE



• Excellent wet tack • Fire retardant • Moisture resistant • Exceptional coverage **Base:** Synthetic Latex **Flash Point:** No Flash To Boiling• Manufactured by S.M.W.I.A. Local 12 • Will not web • Good dry time • Wipes clean with water

Part No	Description	Color	Base	Temperature			
				Application	Storage	Flammability	Price
PROTACK5	5 Gal	Black	Synthetic Latex	40°F to 90°F	40°F to 90°F	None	\$123
PROTACK54	54 Gal	Black	Synthetic Latex	40°F to 90°F	40°F to 90°F	None	\$1,178

DUCT & ACCESSORIES

DUCTMATE INDUSTRIES

SEALANTS, ADHESIVES AND MASTIC

LAG-IT



Lag-It is a premium quality interior/exterior, water-based lagging adhesive. Designed to outperform the competition at bonding and sealing jackets of canvas, cloth, or other fabric insulators to air conditioning ducts, cold water pipes, etc. **Special Characteristics** • Crack and peel resistant • Water resistant • Low odor • UV resistant • Excellent workability • High strength and durability **Dry Time:** TOUCH-1 hour, THRO UGH-6 hours **Coverage:** 50 sq. ft. - 200 sq. ft. • Good dry time • Will not discolor with time • Sag resistant • Non-Flammable in wet state • Fire retardant in dry state • Manufactured by S.W.M.I.A. Local 12 • Exceptional coverage

Temperature								
Part No	Color	Base	Application	Storage	Flam mabi lity	Coverage	Desc	Price
LAGIT1	White	Acrylic Latex	40°F to +110°F	40°F to +100°F	None	50 sq. ft. - 200 sq. ft.	1 Gal	\$35

SEALANTS, ADHESIVES AND MASTIC

HIGH QUALITY SEALING TAPE



• Wide range of application temperatures • Works under extreme conditions • Non-hardening • Superior adhesion to most dry metal surfaces
Not for use with the Ductmate Flange Systems. (use the Ductmate 440 Tape for flange systems)

Part No	Gauge	Color	Price
STICKYTAPE	1.46 ± .05	Gray	\$105

SEALANTS, ADHESIVES AND MASTIC

RUBBER BASED SEALING TAPE



• Pressure sensitive adhesive backing • Synthetic closed cell tape • Simple and easy to install **Description** Neoprene Gasket Tape is a synthetic, closed cell, rubber-based sealing tape. **Basic Use** Excellent for use between duct flanges to produce an airtight seal. **Special Characteristic** Excellent for use when connecting ducts which must be disassembled periodically for cleaning purposes. Recommended for use with Ductmate Spiralmate.

Part No	Color	Density	Compression Deflection	Price
NEO-5/16x3/4	Black	8-12 (p.c.f.) average	2-5 psi	\$240

STRAPPING

CONVENIENT STRAPPING FOR HANGING

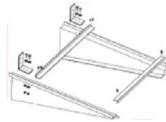


• Convenient carrying handle • Easy to dispense box design • Standard galvanized • Available in stainless • Perfect for or small or difficult installations

Part No	Gauge	Width	Weight Per Box	Feet Per Box	Price
1BSTGA22	22	1"	21LBS.	200	\$88

DIRECT MOUNT HANGING BRACKET FOR AIR CONDITIONERS/HEAT PUMPS

THE AIR BRACE



• Saves Job Completion Time • Saves Time And Money • Easily Adjustable Width Std Size: 30" - 12" Wide • Lightweight; Approx 17 Lbs • Rugged Steel Construction • Assembles/Mounts In Minutes • Compact Design • "Professional Quality" Look • No Cracking, Chipping Or Breaking Problems • Increased Circulation • Reduced Chance Of Air Blockage • No Leveling Of Ground • No Waiting For Final Grade • No Ground Settling Problems • No Need For Shovels, Gravel, Or Block • No Need For Risers Or Stand Ups • No Limit On Height Adjustment • No Waiting For Ground To Thaw • No Need For Deck Or Platform

Part No	Description	Dimensoins	Weight	Price
Air Brace	500LB.	55" x 48" - 20"(Adjustable)	27LBS/EA	\$130
Air Brace 45	300LB.	45" x 36" - 20"(Adjustable)	21LBS/EA	\$150

DUCT & ACCESSORIES

DUCTMATE INDUSTRIES

WELD PINS



• Ductmate pins can be used with multi-head, automatic-feed, single-head, dual-head and portable systems • Cupped head prevents liner tears • Conical point for strengths and weld consistency • Superior strength • Unmatched product consistency • Superior design helps reduce misfires• Cupped head reduces jams and down time • Available in a variety of sizes and packaging • Conical point reduces welding time • Designed to provide complete sheet to pin fusion • All Ductmate pins are electroplate galvanized • Manufactured in the USA

Part No	Description	Quantity	Price
WP.5GA10P5	1/2" Weld Pin	5000	\$300
WP.75GA10P5	3/4" Weld Pin	5000	\$318
WP1GA10P5	1" Weld Pin	5000	\$338

FLEX DUCT

HART & COOLEY

(CLASS 1)POLYETHYLENE JACKET FLEXIBLE AIR DUCTS

R4.2

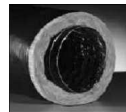


• Black polyethylene jacket • Double-ply black polyester core • R-4.2• UL-listed • Boxed • 25' lengths

Part No	Diameter (inches)	Length (ft)	Price
F114-10-25	10	25	\$55
F114-12-25	12	25	\$68
F114-14-25	14	25	\$83
F114-16-25	16	25	\$103
F114-18-25	18	25	\$123
F114-20-25	20	25	\$148
F114-4-25	4	25	\$30
F114-5-25	5	25	\$33
F114-6-25	6	25	\$35
F114-7-25	7	25	\$38
F114-8-25	8	25	\$43
F114-9-25	9	25	\$50

(CLASS 1)POLYETHYLENE JACKET FLEXIBLE AIR DUCTS

R6.0



• Black polyethylene jacket • Double-ply black polyester core • R-6.0• UL-listed • Boxed • 25' length

Part No	Diameter (inches)	Length (ft)	Price
F116-10-25	10	25	\$65
F116-12-25	12	25	\$83
F116-14-25	14	25	\$103
F116-16-25	16	25	\$123
F116-18-25	18	25	\$145
F116-20-25	20	25	\$178
F116-5-25	5	25	\$40
F116-6-25	6	25	\$43
F116-7-25	7	25	\$45
F116-8-25	8	25	\$53
F116-9-25	9	25	\$60

HVAC DISTRIBUTORS INC

DUCT & ACCESSORIES

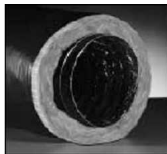
Call or visit one of our 4 locations.

FLEX DUCT

HART & COOLEY

(CLASS 1)POLYETHYLENE JACKET FLEXIBLE AIR DUCTS

R8.0



• Black polyethylene jacket • Double-ply black polyester core • R-8.0• UL-listed • Boxed • 25' length

Part No	Diameter (inches)	Length (ft)	Price
F118-10-25	10	25	\$78
F118-12-25	12	25	\$98
F118-14-25	14	25	\$120
F118-16-25	16	25	\$145
F118-18-25	18	25	\$175
F118-5-25	5	25	\$50
F118-6-25	6	25	\$50
F118-7-25	7	25	\$58
F118-8-25	8	25	\$63
F118-9-25	9	25	\$75

DUCT & ACCESSORIES

FLEX DUCT

HART & COOLEY

METALIZED POLYESTER JACKET

R4.2



• Metalized polyester jacket reinforced with fiberglass scrim • Double-ply black polyester core • R-4.2 • UL-listed • Boxed • 25' lengths

Part No	Diameter (inches)	Length (ft)	Price
F214-10-25	10	25	\$60
F214-12-25	12	25	\$70
F214-14-25	14	25	\$85
F214-16-25	16	25	\$103
F214-18-25	18	25	\$115
F214-20-25	20	25	\$143
F214-5-25	5	25	\$38
F214-6-25	6	25	\$40
F214-7-25	7	25	\$45
F214-8-25	8	25	\$48
F214-9-25	9	25	\$55

HART & COOLEY

(CLASS 1) METAL/POLYETHYLENE UNINSULATED



• Double-ply metalized/polyester • UL and CUL listed • Bulk packaged • 25' length • Class 1 Air Connector

Part No	Diameter (inches)	Length (ft)	Price
F090-10-25	10	25	\$63
F090-12-25	12	25	\$78
F090-14-25	14	25	\$93
F090-3-25	3	25	\$28
F090-4-25	4	25	\$28
F090-5-25	5	25	\$35
F090-6-25	6	25	\$38
F090-7-25	7	25	\$43
F090-8-25	8	25	\$50
F090-9-25	9	25	\$55

DUCT & ACCESSORIES

FLEX DUCT

ATCO RUBBER



Features And Benefits: • Air-tight Inner Core Energy efficient No fiberglass erosion into airstream • Encapsulated Wire Helix No unraveling when cut to length Quick installation • Smooth Inner Core Low friction loss Low operating cost • Rated Positive Pressure is 10" w.g. per UL-181 • Thick Blanket of Fiberglass Insulation Energy efficient Excellent thermal Characteristics • Tough Reinforced Polyester Jacket Tear and puncture resistant Low maintenance • Lightweight Compact Carton Reduces warehouse and job site handling costs.

Part No	Size	R Value	Maximum	Price
			Desc	
070-10	10"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$44
070-12	12"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$56
070-14	14"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$66
070-16	16"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$86
070-5	5"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$26
070-6	6"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$28
070-7	7"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$30
070-8	8"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$36
070-9	9"	4.2	Double Ply Polyester Core. Grey Poly Jacket	\$42
076-10	10"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$52
076-12	12"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$66
076-14	14"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$80
076-16	16"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$106
076-5	5"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$32
076-6	6"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$34
076-7	7"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$38
076-8	8"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$44
076-9	9"	6.0	Double Ply Polyester Core. Grey Poly Jacket	\$50
078-10	10"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$72
078-12	12"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$88
078-14	14"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$112
078-16	16"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$138
078-5	5"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$48
078-6	6"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$48
078-7	7"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$54
078-8	8"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$60
078-9	9"	8.0	Double Ply Polyester Core. Grey Poly Jacket	\$68

ATCO RUBBER



Features And Benefits: • Rugged All Metal Core Non-combustible High positive and negative pressure ratings Puncture resistant Low maintenance • Thick Blanket of Fiberglass Insulation Energy efficient Excellent thermal characteristics • Semi-Rigid Yet Flexible Easily shaped into bends Maintains shape Will not sag between supports • Compressed Lengths in Lightweight Compact Cartons Reduces warehouse and job site handling cost Easily stored • Universal Male/Female Fittings Lengths easily connected to terminal devices or other ducts for longer runs

Part No	Size	R Value	Description	Maximum Velocity	Price
018-10	10"	4.2	Corrugated Aluminum Core	5,000 FPM	\$74
018-12	12"	4.2	Corrugated Aluminum Core	5,000 FPM	\$92
018-14	14"	4.2	Corrugated Aluminum Core	5,000 FPM	\$110
018-6	6"	4.2	Corrugated Aluminum Core	5,000 FPM	\$44
018-7	7"	4.2	Corrugated Aluminum Core	5,000 FPM	\$50
018-8	8"	4.2	Corrugated Aluminum Core	5,000 FPM	\$56
018-9	9"	4.2	Corrugated Aluminum Core	5,000 FPM	\$66

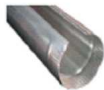
DUCT & ACCESSORIES

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

ROUND PIPE

BUTTON LOCK SNAP LOCK OR HAMMER LOCK



Stainless steel and aluminum pipe also available. Please call for price.

Part No	Size (inch)	Gauge	Price
PIPE10x2-26	10 x 2	26	\$18
PIPE10x5-26	10 x 5	26	\$43
PIPE10x5-30	10 x 5	30	\$33
PIPE12x2-26	12 x 2	26	\$20
PIPE12x5-26	12 x 5	26	\$50
PIPE12x5-30	12 x 5	30	\$40
PIPE14x2-26	14 x 2	26	\$25
PIPE14x5-26	14 x 5	26	\$58
PIPE16x2-26	16 x 2	26	\$35
PIPE16x4-26	16 x 4	26	\$65
PIPE16x5-26	16 x 5	26	\$65
PIPE18x2-26	18 x 2	26	\$45
PIPE18x4-26	18 x 4	26	\$88
PIPE20x4-26	20 x 4	26	\$108
PIPE3x2-26	3 x 2	26	\$8
PIPE3x5-26	3 x 5	26	\$20
PIPE3x5-30	3 x 5	30	\$15
PIPE4x2-26	4 x 2	26	\$8
PIPE4x5-26	4 x 5	26	\$20
PIPE4x5-30	4 x 5	30	\$15
PIPE4x5-WA	4 x 5	warm air	\$10
PIPE5x2-26	5 x 2	26	\$8
PIPE5x5-26	5 x 5	26	\$28
PIPE5x5-30	5 x 5	30	\$13
PIPE6x10-30	6 x 10	30	\$25
PIPE6x10-WA	6 x 10	warm air	\$20
PIPE6x2-24	6 x 2	24	\$15
PIPE6x2-26	6 x 2	26	\$8
PIPE6x5-24	6 x 5	24	\$53
PIPE6x5-24	6 x 5	24	\$53
PIPE6x5-26	6 x 5	26	\$23
PIPE6x5-30	6 x 5	30	\$10
PIPE6x5-WA	6 x 5	warm air	\$10
PIPE7x10-30	7 x 10	30	\$35
PIPE7x10-WA	7 x 10	warm air	\$30
PIPE7x2-26	7 x 2	26	\$10
PIPE7x5-26	7 x 5	26	\$30
PIPE7x5-30	7 x 5	30	\$15
PIPE7x5-WA	7 x 5	warm air	\$15
PIPE8x10-30	8 x 10	30	\$43
PIPE8x2-24	8 x 2	24	\$18
PIPE8x2-26	8 x 2	26	\$13
PIPE8x5-24	8 x 5	24	\$45
PIPE8x5-26	8 x 5	26	\$33
PIPE8x5-30	8 x 5	30	\$20
PIPE9x2-26	9 x 2	26	\$18
PIPE9x5-26	9 x 5	26	\$43
PIPE9x5-30	9 x 5	30	\$30

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

ROUND PIPE

ELBOWS



Part No	Size (inch)	Gauge	Price
90-10-26GA	10	26	\$15
90-10-30GA	10	30	\$15
90-12-26GA	12	26	\$23
90-12-30GA	12	30	\$18
90-14-26GA	14	26	\$30
90-16-26GA	16	26	\$43
90-18-26GA	18	26	\$55
90-3-26GA	3	26	\$5
90-3-30GA	3	30	\$5
90-4-26GA	4	26	\$8
90-4-30GA	4	30	\$5
90-5-26GA	5	26	\$8
90-5-30GA	5	30	\$3
90-6-26GA	6	26	\$8
90-6-30GA	6	30	\$3
90-7-26GA	7	26	\$10
90-7-30GA	7	30	\$5
90-8-26GA	8	26	\$13
90-8-30GA	8	30	\$10
90-9-26GA	9	26	\$13
90-9-30GA	9	30	\$13

ADHESIVE TAKEOFFS

AIRTITE WITH DAMPER



Part No	Size	Price
1329RD-10	10"	\$25
1329RD-12	12"	\$30
1329RD-14	14"	\$48
1329RD-16	16"	\$53
1329RD-18	18"	\$48
1329RD-4	4"	\$18
1329RD-5	5"	\$15
1329RD-6	6"	\$15
1329RD-7	7"	\$18
1329RD-8	8"	\$18
1329RD-9	9"	\$23

AIRTITE



Part No	Size	Price
1329R-10	10"	\$13
1329R-12	12"	\$18
1329R-14	14"	\$28
1329R-16	16"	\$35
1329R-18	18"	\$33
1329R-4	4"	\$10
1329R-5	5"	\$10
1329R-6	6"	\$8
1329R-7	7"	\$10
1329R-8	8"	\$10
1329R-9	9"	\$13

DUCT & ACCESSORIES

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LUKJAN METAL PRODUCTS

ADHESIVE TAKEOFFS

ROUND SADDLE TAKEOFF WITH DAMPER



Part No	Size	Price
1231D-6	6"	\$30
1231D-7	7"	\$38
1231D-8	8"	\$38

DUCTBOARD FITTINGS & TWIST-INS

DUCTBOARD COLLAR

52 W/O DAMPER



Part No	Size	Price
52-10	10"	\$13
52-12	12"	\$15
52-14	14"	\$15
52-16	16"	\$23
52-18	18"	\$25
52-20	20"	\$40
52-4	4"	\$5
52-5	5"	\$5
52-6	6"	\$5
52-7	7"	\$8
52-8	8"	\$8
52-9	9"	\$13

53 W/DAMPER



Part No	Size	Price
53-10	10"	\$18
53-12	12"	\$25
53-14	14"	\$30
53-16	16"	\$35
53-4	4"	\$15
53-5	5"	\$10
53-6	6"	\$10
53-7	7"	\$13
53-8	8"	\$13
53-9	9"	\$18

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

DUCTBOARD FITTINGS & TWIST-INS

NON-ADJUSTABLE TOP TAKEOFF



Part No	Size	Price
564DB-10	10"	\$33
564DB-12	12"	\$43
564DB-4	4"	\$13
564DB-5	5"	\$10
564DB-6	6"	\$10
564DB-7	7"	\$13
564DB-8	8"	\$15
564DB-9	9"	\$25
564DB-10-R6	10"	\$25
564DB-12-R6	12"	\$38
564DB-4-R6	4"	\$13
564DB-5-R6	5"	\$13
564DB-6-R6	6"	\$10
564DB-7-R6	7"	\$13
564DB-8-R6	8"	\$13
564DB-9-R6	9"	\$20

ADJUSTABLE DUCTBOARD TAKEOFF



Part No	Size	Price
303DB-5	5"	\$18
303DB-6	6"	\$18
303DB-7	7"	\$23

RECTANGULAR DUCTBOARD TAKEOFF



Part No	Size	Price
328DB-5	5"	\$20
328DB-6	6"	\$18
328DB-7	7"	\$23

DUCTBOARD TWIST-IN 41 W/DAMPER



Part No	Size	Price
41-10	10"	\$35
41-12	12"	\$45

S AND DRIVE CLEATS

DRIVE

Part No	Size	Desc	Price
94-08-26GA	8"	drive cleat	\$0
94-10-26GA	10"	drive cleat	\$0
94-96-26GA	96"	drive cleat	\$5
94-120-24GA	120"	drive cleat	\$8
94-120-26GA	120"	drive cleat	\$5

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****COLD AIR RETURN BOOTS AND FURNACE BOXES****COLD AIR RETURN FRAME**

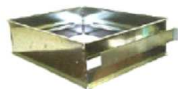
Part No	Size	Qty per Ctn	Price
FRAME16-10X6	10 x 6	100	\$8
FRAME16-12X6	12 x 6	100	\$8
FRAME16-14X6	14 x 6	100	\$8
FRAME16-14X8	14 x 8	100	\$13
FRAME16-24X6	24 x 6	100	\$18
FRAME24-12X6	12 x 6	100	\$8
FRAME24-14X6	14 x 6	100	\$8

FILTER FRAME

Part No	Size	Desc	Price
FRAMEFF-14X20-B	14 x 20	w/tabs B style	\$33
FRAMEFF-14X25-B	14 x 25	w/tabs B style	\$35
FRAMEFF-16X20-B	16 x 20	w/tabs B style	\$33
FRAMEFF-16X25-B	16 x 25	w/tabs B style	\$38
FRAMEFF-20X25-B	20 x 25	w/tabs B style	\$45

COLD AIR RETURN BOOTS FURNACE BOXES & FILTER FRAMES**FILTER FRAME BOX W/SLIDE-ON DOOR**

Part No	Size	Height	Length	Width	Price
FRCFL16X20-7	16 x 20 x 7	16	20	7	\$63
FRCFL16X25-7	16 x 25 x 7	16	25	7	\$70
FRCFL20X20-7	20 x 20 x 7	20	20	7	\$70
FRCFL20X25-7	20 x 25 x 7	20	25	7	\$85
FRCFS16X20-7-PE	16 x 20 x 7	16	20	7	\$63
FRCFS16X25-7	16 x 25 x 7	16	25	7	\$38
FRCIS16X25-7	16 x 25 x 7	16	25	7	\$70
FRCIS20X25-7	20 x 25 x 7	20	25	7	\$83
FRCTL16X20-7	16 x 20 x 7	16	20	7	\$63
FRCTL20X20-7	20 x 20 x 7	20	20	7	\$70
FRCTS16X20-7	16 x 20 x 7	16	20	7	\$63

FILTER FRAME BOX W/SLIDING COVER (BELOW)

Part No	Size	Price
FF-COVER-16	16"	\$13
FF-COVER-20	20"	\$13
FF-COVER-25	25"	\$13

FURNACE BOXES

Part No	Width	Depth	Height	Price
FB-AE-15X22	15.5	22	16	\$148
FB-AE-17X21	17.5	21	16	\$155
FB-AE-19X22	19.5	22	16	\$165
FB-AE-21X21	21	21	20	\$178
FB-AE-22x24	22	24	20	\$210
FB-AE-24x21	24.5	21	20	\$205

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****DAMPERS & DAMPER ACCESSORIES****DOUBLE BEARING**

Part No	Size	Description	Price
275-10	10"	Double Bearing Damper	\$13
275-12	12"	Double Bearing Damper	\$15
275-14	14"	Double Bearing Damper	\$15
275-16	16"	Double Bearing Damper	\$20
275-5	5"	Double Bearing Damper	\$8
275-6	6"	Double Bearing Damper	\$8
275-7	7"	Double Bearing Damper	\$13
275-8	8"	Double Bearing Damper	\$10
275-9	9"	Double Bearing Damper	\$15

STANDARD SINGLE HARDWARE

Part No	Size	Description	Price
274-4	4"	Single Baring Damper	\$3
274-5	5"	Single Baring Damper	\$3
274-6	6"	Single Baring Damper	\$3
274-7	7"	Single Baring Damper	\$5
274-8	8"	Single Baring Damper	\$5

DAMPER SECTION WITH HARDWARE

Part No	Size	Description	Price
122-10	10"	Damper Section 10^ 30GA 12^ Long	\$25
122-12	12"	Damper Section 10^ 30GA 12^ Long	\$33
122-14	14"	Damper Section 10^ 30GA 12^ Long	\$38
122-5	5"	Damper Section 10^ 30GA 12^ Long	\$18
122-6	6"	Damper Section 10^ 30GA 12^ Long	\$18
122-7	7"	Damper Section 10^ 30GA 12^ Long	\$18
122-8	8"	Damper Section 10^ 30GA 12^ Long	\$20

GALVANIZED OVAL PIPE AND FITTINGS**ROUND TO OVAL END BOOT**

Part No	Description	Size	Price
71-5-NC	no crimp	5"	\$18
71-6-NC	no crimp	6"	\$18
71-6-OC	oval crimp	6"	\$18
71-7-NC	no crimp	7"	\$20
71-8-NC	no crimp	8"	\$20
71-8-OC	oval crimp	8"	\$20
71-8x7-NC	no crimp	8" x 7"	\$20
71-8x7-OC	oval crimp	8" x 7"	\$20

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

GALVANIZED OVAL PIPE AND FITTINGS

ROUND TO OVAL 90° ELBOW BOOT



Part No	Description	Size	Price
75-5 NC	no crimp	5"	\$13
75-5 OC	oval crimp	5"	\$13
75-5 RC	round crimp	5"	\$13
75-6 NC	no crimp	6"	\$10
75-6 OC	oval crimp	6"	\$10
75-6 RC	round crimp	6"	\$10
75-7 NC	no crimp	7"	\$18
75-7 OC	oval crimp	7"	\$18
75-7 RC	round crimp	7"	\$18
75-7x6-NC	no crimp	7" x 6"	\$15
75-8 NC	no crimp	8"	\$18
75-8 OC	oval crimp	8"	\$18
75-8 RC	round crimp	8"	\$18
75-8x7 OC	oval crimp	8" x 7"	\$18
75-8x7 RC	round crimp	8" x 7"	\$15
75-8x7-NC	no crimp	8" x 7"	\$18

OVAL TO OVAL REVERSE BOOT



Part No	Size	Price
78-5	5"	\$25
78-6	6"	\$25
78-7	7"	\$33

OVAL HORIZONTAL 45° ANGLE



Part No	Size	Price
OV45H-5	5"	\$8
OV45H-6	6"	\$8
OV45H-7	7"	\$13
OV45H-8	8"	\$15

OVAL VERTICAL ONE-PIECE 45° ANGLE



Part No	Size	Price
OV45V-5	5"	\$8
OV45V-6	6"	\$5
OV45V-7	7"	\$8
OV45V-8	8"	\$8

OVAL HORIZONTAL 90° ELBOW



Part No	Size	Price
OV90H-5	5"	\$13
OV90H-6	6"	\$10
OV90H-7	7"	\$15
OV90H-8	8"	\$18

OVAL VERTICAL ONE-PIECE 90° ELBOW



Part No	Size	Price
OV90V-5	5"	\$8
OV90V-6	6"	\$5
OV90V-7	7"	\$8
OV90V-8	8"	\$13

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****GALVANIZED OVAL PIPE AND FITTINGS****OVAL PIPE**

Part No	Size	Bundled	Price
OVAL-5X100	5"	10	\$18
OVAL-5X112	5"	10	\$23
OVAL-6X100	6"	10	\$18
OVAL-6X112	6"	10	\$28
OVAL-7X100	7"	10	\$23
OVAL-7X112	7"	10	\$33
OVAL-8x100	8"	10	\$25
OVAL-8x112	8"	10	\$30

OVAL STACKHEAD WITH DOUBLE TAKEOFF

Part No	Description	Size	Price
OV2-10X6X6	Oval Stackhead With Double Takeoff	10 x 6 x 6	\$20
OV2-12x6x7	Oval Stackhead With Double Takeoff	12 x 6 x 7	\$23

OVAL FIRESTOP

Used To Seal Joist Cut-Out When Running Oval.

Part No	Size	Description	Price
OVFS-U6	6"	Oval firestop	\$5
OVFS-U7	7"	Oval firestop	\$5
OVFS-U8	8"	Oval firestop	\$3

OVAL STACKHEAD

Part No	Size	Desc	Price
OV1-10X4X6	10 x 4 x 6	single	\$23
OV1-10x6x5	10 x 6 x 5	single	\$15
OV1-10x6x6	10 x 6 x 6	single	\$15
OV1-10x6x7	10 x 6 x 7	single	\$25
OV1-12X4X6	12 x 4 x 6	single	\$20
OV1-12x6x5	12 x 6 x 5	single	\$20
OV1-12x6x6	12 x 6 x 6	single	\$18
OV1-12x6x7	12 x 6 x 7	single	\$20
OV1-12x6x8	12 x 6 x 8	single	\$20
OV1-14x6x7	14 x 6 x 7	single	\$23
OV2-10x6x6	10 x 6 x 6	double	\$20
OV2-12x6x7	12 x 6 x 7	double	\$23

CLEATS

Part No	Size	Joints Per Box	Price
92STD-120-24G	1" x 120"	25	\$28

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LUKJAN METAL PRODUCTS

PANNING



Part No	Size	Joints Per Box	Panning	Gauge	Price
PAN-16.5X29-30G	16-1/2 x 30	20	5.48	24	\$10

JOIST PANNING, HANGERS & SUPPORTS

UNIVERSAL PLENUM TOP PANEL



Part No	Description	Length	Depth	Price
PT-20	Plenum Tops	20"	20"	\$15
PT-24	Plenum Tops	24"	24"	\$20

JOIST PANNING, HANGERS & SUPPORTS

UNIVERSAL PLENUM SIDE



Part No	Size	Price
PS-18	18" x 36"	\$28
PS-20	20" x 36"	\$33
PS-22	22" x 36"	\$35
PS-24	24" x 36"	\$38

JOIST PANNING, HANGERS & SUPPORTS

ANGLES



Part No	Size	Gauge	Price
AB-151518-24GA	1-1/2 x 1-1/2 x 18	24	\$3
AB-31596-24GA	3 x 1-1/2 x 96	24	\$23

S CLEAT



Part No	Desc	length	Gauge	qty per bundle	Price
92-08-26GA	S cleat	8"	26		\$0
92-10-26GA	S cleat	10"	26		\$0
92-120-26GA	S cleat	10ft	26	25	\$5
92-12-26GA	S cleat	12"	26		\$0
92-14-26GA	S cleat	14"	26		\$3
92-16-26GA	S cleat	16"	26		\$3
92-18-26GA	S cleat	18"	26		\$3
92-20-26GA	S cleat	20"	26		\$3
92-22-26GA	S cleat	22"	26		\$3
92-24-26GA	S cleat	24"	26		\$3
92-26-26GA	S cleat	26"	26		\$5
92-28-26GA	S cleat	28"	26		\$5
92-30-26GA	S cleat	30"	26		\$5
92-96-26GA	S cleat	8ft	26	25	\$5

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

JOIST PANNING, HANGERS & SUPPORTS

SUPPORT BRACKETS/NAIL PLATES



Part No	Description	Size	Gauge	Qty per crtn	Price
Nailplate - 16GA	17 Hole	3" x 18"	16	20	\$3

DUCT ADAPTER



Part No	Desc	Size	Price
534-10-2	10" trunk duct adapter	2"	\$15
534-10-4	10" trunk duct adapter	4"	\$18
534-10-6	10" trunk duct adapter	6"	\$20
534-10-8	10" trunk duct adapter	8"	\$23
534-8-2	8" trunk duct adapter	2"	\$13
534-8-4	8" trunk duct adapter	4"	\$13
534-8-6	8" trunk duct adapter	6"	\$18

TRUNK DUCT (SLIP & DRIVE NOT INCLUDED)



Part No	Length	Gauge	Price
Trunk-10x10x60	60"	26	\$33
Trunk-10x10x96	96"	26	\$53
Trunk-10x8x60	60"	26	\$30
Trunk-10x8x96	96"	26	\$45
Trunk-12x10x60	60"	26	\$35
Trunk-12x10x96	96"	26	\$58
Trunk-12x8x60	60"	26	\$33
Trunk-12x8x96	96"	26	\$50
Trunk-14x10x60	60"	26	\$43
Trunk-14x10x96	96"	26	\$70
Trunk-14x8x60	60"	26	\$35
Trunk-14x8x96	96"	26	\$58
Trunk-16x10x60	60"	26	\$45
Trunk-16x10x96	96"	26	\$75
Trunk-16x8x60	60"	26	\$40
Trunk-16x8x96	96"	26	\$65
Trunk-18x10x60	60"	26	\$48
Trunk-18x10x96	96"	26	\$83
Trunk-18x8x60	60"	26	\$45
Trunk-18x8x96	96"	26	\$70
Trunk-20x10x60	60"	26	\$53
Trunk-20x10x96	96"	26	\$85
Trunk-20x8x60	60"	26	\$48
Trunk-20x8x96	96"	26	\$80
Trunk-22x10x96	96"	26	\$90
Trunk-22x8x60	60"	26	\$50
Trunk-24x10x60	60"	26	\$65
Trunk-24x10x96	96"	26	\$103
Trunk-24x8x60	60"	26	\$55
Trunk-24x8x96	96"	26	\$55
Trunk-26x8x60	60"	26	\$108
Trunk-30x8x60	60"	26	\$83
Trunk-8x8x60	60"	26	\$28

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

RECTANGULAR DUCT AND DUCT FITTINGS

VERTICAL 90° ELBOW ROUND CENTER



Part No	Size	Description	Price
307R-10x10	10x10	Trunk Ell-Vert 90Deg	\$35
307R-10x8	10x8	Trunk Ell-Vert 90Deg	\$28
307R-12x10	12x10	Trunk Ell-Vert 90Deg	\$35
307R-12x8	12x8	Trunk Ell-Vert 90Deg	\$28
307R-14x10	14x10	Trunk Ell-Vert 90Deg	\$45
307R-14x8	14x8	Trunk Ell-Vert 90Deg	\$25
307R-16x10	16x10	Trunk Ell-Vert 90Deg	\$43
307R-16x8	16x8	Trunk Ell-Vert 90Deg	\$33
307R-18x10	18x10	Trunk Ell-Vert 90Deg	\$48
307R-18x8	18x8	Trunk Ell-Vert 90Deg	\$35
307R-20x10	20 x 10	Trunk Ell-Vert 90Deg 10 x 10	\$55
307R-20x8	20x8	Trunk Ell-Vert 90Deg	\$43
307R-22x10	22x10	Trunk Ell-Vert 90Deg	\$63
307R-22x8	22x8	Trunk Ell-Vert 90Deg	\$55
307R-24x10	24x10	Trunk Ell-Vert 90Deg	\$68
307R-24x8	24x8	Trunk Ell-Vert 90Deg	\$55
307R-8x8	8x8	Trunk Ell-Vert 90Deg	\$28

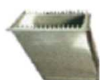
VERTICAL 45° ANGLE ROUND CENTER



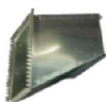
Part No	Size	Description	Price
314R-10x10	10 x 10	Trunk Ell-Vert 45Deg	\$30
314R-10x8	10x8	Trunk Ell-Vert 45Deg	\$25
314R-12x10	12 x 10	Trunk Ell-Vert 45Deg	\$33
314R-12x8	12x8	Trunk Ell-Vert 45Deg	\$25
314R-14x10	14 x 10	Trunk Ell-Vert 45Deg	\$35
314R-14x8	14x8	Trunk Ell-Vert 45Deg	\$28
314R-16x10	16 x 10	Trunk Ell-Vert 45Deg	\$38
314R-16x8	16x8	Trunk Ell-Vert 45Deg	\$30
314R-18x10	18 x 10	Trunk Ell-Vert 45Deg	\$40
314R-18x8	18 x 8	Trunk Ell-Vert 45Deg	\$40
314R-20x10	20 x 10	Trunk Ell-Vert 45Deg 10 x 10	\$43
314R-20x8	20x8	Trunk Ell-Vert 45Deg	\$35
314R-22x10	22 x 10	Trunk Ell-Vert 45Deg	\$45
314R-22x8	22 x 8	Trunk Ell-Vert 45Deg	\$35
314R-24x10	24 x 10	Trunk Ell-Vert 45Deg	\$55
314R-24x8	24 x 8	Trunk Ell-Vert 45Deg	\$38
314R-8x8	8 x 8	Trunk Ell-Vert 45Deg	\$23

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****RECTANGULAR DUCT AND DUCT FITTINGS****END CAP**

Part No	Size	Description	Price
512-10x10	10 x 10	End Cap Trunk	\$8
512-10x8	10x8	End Cap Trunk	\$5
512-12x10	12 x 10	End Cap Trunk	\$13
512-12x8	12x8	End Cap Trunk	\$5
512-14x10	14 x 10	End Cap Trunk	\$10
512-14x8	14x8	End Cap Trunk	\$8
512-16x10	16 x 10	End Cap Trunk	\$10
512-16x8	16x8	End Cap Trunk	\$8
512-18x10	18 x 10	End Cap Trunk	\$10
512-18x8	18x8	End Cap Trunk	\$8
512-20x10	20 x 10	End Cap Trunk	\$8
512-20x8	20x8	End Cap Trunk	\$8
512-22x10	22 x 10	End Cap Trunk	\$10
512-22x8	22x8	End Cap Trunk	\$8
512-24x10	24 x 10	End Cap Trunk	\$10
512-24x8	24x8	End Cap Trunk	\$10
512-2x12	2x12	End Cap Trunk	\$10
512-3x12	3x12	End Cap Trunk	\$10
512-3x14	3x14	End Cap Trunk	\$10
512-8x8	8x8	End Cap Trunk	\$5

OFFSET STARTING COLLAR

Part No	Description	Size	Price
519-12x8	Offset Start Collar	12 x 8	\$40
519-18x8	Offset Start Collar	18 x 8	\$50

TRANSITION TAKEOFF

Part No	Duct Size Width Depth	Price
518-24x8	24x8	\$75

RECTANGULAR DUCT AND DUCT FITTINGS**DUCT STARTING COLLAR**

Part No	Description	Size	Price
520-10x8	Start Collar	10 x 8	\$15
520-12x8	Start Collar	12 x 8	\$18
520-14x8	Start Collar	14 x 8	\$18
520-16x8	Start Collar	16 x 8	\$23
520-18x8	Start Collar	18 x 8	\$23
520-20x8	Start Collar	20 x 8	\$23
520-22x8	Start Collar	22 x 8	\$28
520-24x8	Start Collar	24 x 8	\$28
520-30x8	Start Collar	30 x 8	\$40
520-8x8	Start Collar	8 x 8	\$15

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

RECTANGULAR DUCT AND DUCT FITTINGS

HORIZONTAL 90° ELBOW ROUND CENTER



Part No	Description	Size	Price
525R-10x10	Trunk Ell-Horiz 90Deg 10 x 10	10 x 10	\$40
525R-10x8	Trunk Ell-Horiz 90Deg 10 x 10	10 x 8	\$33
525R-12x10	Trunk Ell-Horiz 90Deg 10 x 10	12 x 10	\$43
525R-12x8	Trunk Ell-Horiz 90Deg 10 x 10	12 x 8	\$30
525R-14x10	Trunk Ell-Horiz 90Deg 10 x 10	14 x 10	\$45
525R-14x8	Trunk Ell-Horiz 90Deg 10 x 10	14 x 8	\$35
525R-16x10	Trunk Ell-Horiz 90Deg 10 x 10	16 x 10	\$48
525R-16x8	Trunk Ell-Horiz 90Deg 10 x 10	16 x 8	\$35
525R-18x10	Trunk Ell-Horiz 90Deg 10 x 10	18 x 10	\$60
525R-18x8	Trunk Ell-Horiz 90Deg 10 x 10	18 x 8	\$38
525R-20x10	Trunk Ell-Horiz 90Deg	20 x 10	\$73
525R-20x8	Trunk Ell-Horiz 90Deg 10 x 10	20 x 8	\$53
525R-22x10	Trunk Ell-Horiz 90Deg 10 x 10	22 x 10	\$83
525R-22x8	Trunk Ell-Horiz 90Deg	22 x 8	\$73
525R-24x10	Trunk Ell-Horiz 90Deg 10 x 10	24 x 10	\$100
525R-24x8	Trunk Ell-Horiz 90Deg 10 x 10	24 x 8	\$75
525R-8x8	Trunk Ell-Horiz 90Deg 10 x 10	8 x 8	\$38

HORIZONTAL 45° ANGLE ROUND CENTER



Part No	Description	Size	Price
532R-10x10	Trunk Ell-Horiz 45Deg	10 x 10	\$30
532R-10x8	Trunk Ell-Horiz 45Deg	10 x 8	\$23
532R-12x10	Trunk Ell-Horiz 45Deg	12 x 10	\$33
532R-12x8	Trunk Ell-Horiz 45Deg	12 x 8	\$23
532R-14x10	Trunk Ell-Horiz 45Deg	14 x 10	\$35
532R-14x8	Trunk Ell-Horiz 45Deg 10 x 10	14 x 8	\$25
532R-16x10	Trunk Ell-Horiz 45Deg	16 x 10	\$38
532R-16x8	Trunk Ell-Horiz 45Deg 10 x 10	16 x 8	\$28
532R-18x10	Trunk Ell-Horiz 45Deg 10 x 10	18 x 10	\$40
532R-18x8	Trunk Ell-Horiz 45Deg 10 x 10	18 x 8	\$33
532R-20x10	Trunk Ell-Horiz 45Deg	20 x 10	\$53
532R-20x8	Trunk Ell-Horiz 45Deg	20 x 8	\$53
532R-22x10	Trunk Ell-Horiz 45Deg 10 x 10	22 x 10	\$58
532R-22x8	Trunk Ell-Horiz 45Deg	22 x 8	\$53
532R-24x10	Trunk Ell-Horiz 45Deg	24 x 10	\$65
532R-24x8	Trunk Ell-Horiz 45Deg	24 x 8	\$50
532R-8x8	Trunk Ell-Horiz 45Deg	8 x 8	\$30

DUCT REDUCER



Part No	Description	Size	Price
533-10x8-8x8	Trunk Reducer	8 x 8/10 x 8	\$33
533-12x8-8x8	Trunk Reducer	8 x 8/12 x 8	\$33

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****REGISTER BOOTS****END BOOT**

Part No	Collar Size	Register Size	Desc	Price
L571-2X10X4	4"	2-1/4 x 10		\$10
L571-2X10X5	5"	2-1/4 x 10	center	\$8
L571-2X10X6	6"	2-1/4 x 10	center	\$8
L571-2X12X5	5"	2-1/4 x 12	center	\$8
L571-2X12X6	6"	2-1/4 x 12	center	\$8
L571-2X12X7	7"	2-1/4 x 12	center	\$8
L571-2X14X7	7"	2-1/4 x 14	center	\$18
L571-4X10X5	5"	4 x 10	center	\$10
L571-4X10X6	6"	4 x 10	center	\$8
L571-4X10X7	7"	4 x 10	center	\$15
L571-4X12X6	6"	4 x 12	center	\$8
L571-4X12X7	7"	4 x 12	center	\$8
L571-4X12X8	8"	4 x 12	center	\$20
L571-4X14X7	7"	4 x 14	center	\$18
L571-4X14X8	8"	4 x 14	center	\$18
L571-6X10X6	6"	6 x 10	center	\$18
L571-6X12X6	6"	6 x 12	center	\$18
L571-6X12X7	7"	6 x 12	center	\$18
L571-6X12X8	8"	6 x 12	center	\$18
L571L-2X10X5	5"	2-1/4 x 10	left hand	\$10
L571L-2X10X6	6"	2-1/4 x 10	left hand	\$13
L571L-2X12X5	5"	2-1/4 x 12	left hand	\$8
L571L-2X12X6	6"	2-1/4 x 12	left hand	\$8
L571L-2X12X7	7"	2-1/4 x 12	left hand	\$10
L571L-2X14X6	6"	2-1/4 x 14	left hand	\$15
L571L-2X14X7	7"	2-1/4 x 14	left hand	\$18
L571L-4X10X6	6"	4 x 10	left hand	\$13
L571L-4X10X7	7"	4 x 10	left hand	\$15
L571L-4X12X6	6"	4 x 12	left hand	\$8
L571L-4X12X7	7"	4 x 12	left hand	\$13
L571R-2X10X5	5"	2-1/4 x 10	right hand	\$13
L571R-2X10X6	6"	2-1/4 x 10	right hand	\$13
L571R-2X12X5	5"	2-1/4 x 12	right hand	\$8
L571R-2X12X6	6"	2-1/4 x 12	right hand	\$8
L571R-2X12X7	7"	2-1/4 x 12	right hand	\$10
L571R-2X14X6	6"	2-1/4 x 14	right hand	\$15
L571R-4X10X5	5"	4 x 10	right hand	\$13
L571R-4X10X6	6"	4 x 10	right hand	\$13
L571R-4X10X6	6"	4 x 10	right hand	\$13
L571R-4X10X7	7"	4 x 10	right hand	\$18
L571R-4X12X6	6"	4 x 12	right hand	\$8
L571R-4X12X7	7"	4 x 12	right hand	\$13

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

REGISTER BOOTS

STRAIGHT BOOT



Part No	Collar Size	Register Size	Price
L572-2X10X5	5"	2-1/4 x 10	\$13
L572-2X10X6	6"	2-1/4 x 10	\$10
L572-2X10X7	7"	2-1/4 x 10	\$18
L572-2X12X5	5"	2-1/4 x 12	\$8
L572-2X12X6	6"	2-1/4 x 12	\$8
L572-2X12X7	7"	2-1/4 x 12	\$10
L572-2X14X6	6"	2-1/4 x 14	\$15
L572-2X14X7	7"	2-1/4 x 14	\$23
L572-4X10X5	5"	4 x 10	\$10
L572-4X10X6	6"	4 x 10	\$8
L572-4X10X7	7"	4 x 10	\$15
L572-4X10X8	8"	4 x 10	\$20
L572-4X12X6	6"	4 x 12	\$8
L572-4X12X7	7"	4 x 12	\$8
L572-4X12X8	8"	4 x 12	\$20
L572-4X14X6	6"	4 x 14	\$18
L572-4X14X7	7"	4 x 14	\$18
L572-4X14X8	8"	4 x 14	\$18
L572-6X10X6	6"	6 x 10	\$18
L572-6X12X6	6"	6 x 12	\$15
L572-6X12X7	7"	6 x 12	\$18
L572-6X12X8	8"	6 x 12	\$23

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****REGISTER BOOTS****90° ELBOW BOOT**

Part No	Collar Size	Register Size	Price
L575-2X10X4	4"	2-1/4 x 10	\$10
L575-2X10X4	4"	2-1/4 x 10	\$10
L575-2X10X5	5"	2-1/4 x 10	\$8
L575-2X10X6	6"	2-1/4 x 10	\$8
L575-2X10X7	7"	2-1/4 x 10	\$15
L575-2X12X5	5"	2-1/4 x 12	\$8
L575-2X12X6	6"	2-1/4 x 12	\$8
L575-2X12X7	7"	2-1/4 x 12	\$10
L575-2X12X8	8"	2-1/4 x 12	\$18
L575-2X14X6	6"	2-1/4 x 14	\$15
L575-2X14X7	7"	2-1/4 x 14	\$15
L575-2X14X8	8"	2-1/4 x 14	\$18
L575-4X10X5	5"	4 x 10	\$10
L575-4X10X6	6"	4 x 10	\$8
L575-4X10X7	7"	4 x 10	\$13
L575-4X12X6	6"	4 x 12	\$8
L575-4X12X7	7"	4 x 12	\$8
L575-4X12X8	8"	4 x 12	\$20
L575-4X14X6	6"	4 x 14	\$18
L575-4X14X7	7"	4 x 14	\$18
L575-4X14X8	8"	4 x 14	\$18
L575-6X10X6	6"	6 x 10	\$15
L575-6X10X7	7"	6 x 10	\$23
L575-6X12X6	6"	6 x 12	\$18
L575-6X12X7	7"	6 x 12	\$20
L575-6X14X8	8"	6 x 14	\$23
L575OB-2X12X5	5"	2-1/4 x 12	\$20
L575OB-2X12X6	6"	2-1/4 x 12	\$18
L575OB-2X12X7	7"	2-1/4 x 12	\$20
L575OB-4X10X6	6"	4 x 10	\$18
L575OB-4X10X7	7"	4 x 10	\$38
L575OB-4X12X6	6"	4 x 12	\$18
L575OB-4X12X7	7"	4 x 12	\$28
L575OB-4X12X8	8"	4 x 12	\$48

45° ANGLE REGISTER BOOT

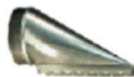
Part No	Collar Size	Register Size	Price
L577-2X12X6	6"	2-1/4 x 12	\$20
L577-2X12X7	7"	2-1/4 x 12	\$20
L577OB-2X10X6	6"	2-1/4 x 10	\$20
L577OB-2X12X6	6"	2-1/4 x 12	\$20
L577OB-2X12X7	7"	2-1/4 x 12	\$20
L577OB-4X12X7	7"	4 x 12	\$38

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

REGISTER PANS STACK AND BASEMENT BOOTS

END BOOT



Part No	Size	Collar Size	Price
571-2x12x6	2 -1/4 x 12	6"	\$10
571-2x12x7	2 -1/4 x 12	7"	\$23
571-3x10x6	3--1/4 x 10	6"	\$13
571-3x12x6	3--1/4 x 12	6"	\$13
571-3x12x7	3--1/4 x 12	7"	\$18
571-3x14x7	3--1/4 x 14	7"	\$20
571-3x14x8	3--1/4 x 14	8"	\$23

STRAIGHT BOOT



Part No	Size	Collar Size	Price
572-2x12x6	2 -1/4 x 12	6"	\$15
572-2x12x7	2 -1/4 x 12	7"	\$20
572-3x10x6	3 -1/4 x 10	6"	\$13
572-3x10x7	3 -1/4 x 10	7"	\$18
572-3x12x6	3 -1/4 x 12	6"	\$10
572-3x12x7	3 -1/4 x 12	7"	\$20
572-3x12x8	3 -1/4 x 12	8"	\$20
572-3x14x7	3 -1/4 x 14	7"	\$20
572-3x14x8	3 -1/4 x 14	8"	\$20

90° ELBOW BOOT



Part No	Size	Collar Size	Price
575-2x10x5	2 -1/4 x 10	5"	\$15
575-2x12x6	2 -1/4 x 12	6"	\$15
575-2x12x7	2 -1/4 x 12	7"	\$20
575-2x14x7	2 -1/4 x 14	7"	\$20
575-3x10x6	3 -1/4 x 10	6"	\$13
575-3x10x7	3 -1/4 x 10	7"	\$18
575-3x12x6	3 -1/4 x 12	6"	\$10
575-3x12x7	3 -1/4 x 12	7"	\$20
575-3x12x8	3 -1/4 x 12	8"	\$20
575-3x14x7	3 -1/4 x 14	7"	\$20
575-3x14x8	3 -1/4 x 14	8"	\$20

ROUND PIPE ACCESSORIES RAIN CAPS AND FRESH AIR INTAKES

RAIN CAP



Part No	Size	Gauge	Price
30-10	10"	26	\$38
30-4	4"	26	\$10
30-6	6"	26	\$13
30-7	7"	26	\$18
30-8	8"	26	\$23

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS**

ROUND PIPE ACCESSORIES RAIN CAPS AND FRESH AIR INTAKES

COLLAR LONG EXT.



Part No	Size	Gauge	Price
416-10	10"	26	\$8
416-12	12"	26	\$15
416-14	14"	26	\$18
416-16	16"	26	\$30
416-18	18"	26	\$38
416-4	4"	26	\$8
416-5	5"	26	\$5
416-6	6"	26	\$5
416-7	7"	26	\$5
416-8	8"	26	\$3
416-9	9"	26	\$8

COLLAR LONG EXT. WITH DAMPER



Part No	Size	Gauge	Price
416D-10	10"	26	\$20
416D-12	12"	26	\$30
416D-14	14"	26	\$38
416D-16	16"	26	\$45
416D-4	4"	26	\$18
416D-5	5"	26	\$15
416D-6	6"	26	\$13
416D-7	7"	26	\$15
416D-8	8"	26	\$15
416D-9	9"	26	\$23

END CAP 421 NO CRIMP



Part No	Size	Gauge	Price
421-10	10"	26	\$15
421-12	12"	26	\$15
421-14	14"	26	\$20
421-16	16"	26	\$23
421-3	3"	26	\$10
421-4	4"	26	\$10
421-5	5"	26	\$10
421-6	6"	26	\$10
421-7	7"	26	\$10
421-8	8"	26	\$13
421-9	9"	26	\$13

SPIN-INS FOR GALVANIZED



Part No	Description	Size	Price
47-10	Spin-ins for metal duct	10"	\$28
47-12	Spin-ins for metal duct	12"	\$33
47-6	Spin-ins for metal duct	6"	\$15
47-7	Spin-ins for metal duct	7"	\$18
47-8	Spin-ins for metal duct	8"	\$20

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DUCT & ACCESSORIES

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LUKJAN METAL PRODUCTS

ROUND PIPE REDUCERS

TAPERED REDUCER NO CRIMP



Part No	Description	Size	Price
431-10x6	Reducer	10 x 6	\$20
431-10x7	Reducer	10 x 7	\$20
431-10x8	Reducer	10 x 8	\$20
431-10x9	Reducer	10 x 9	\$20
431-12X10	Reducer	12 X 10	\$20
431-12x6	Reducer	12 x 6	\$23
431-12x8	Reducer	12 x 8	\$20
431-12x9	Reducer	12 x 9	\$23
431-14X10	Reducer	14 X 10	\$25
431-14X12	Reducer	14 X 12	\$25
431-14x8	Reducer	14 x 8	\$28
431-16X10	Reducer	16 X 10	\$38
431-16X12	Reducer	16 X 12	\$38
431-16X14	Reducer	16 X 14	\$38
431-18X16	Reducer	18 X 16	\$40
431-4X3	Reducer	4 X 3	\$10
431-5X3	Reducer	5 X 3	\$10
431-5X4	Reducer	5 X 4	\$10
431-6X3	Reducer	6 X 3	\$13
431-6X4	Reducer	6 X 4	\$13
431-6X5	Reducer	6 X 5	\$10
431-7X4	Reducer	7 X 4	\$15
431-7X5	Reducer	7 X 5	\$15
431-7X6	Reducer	7 X 6	\$13
431-8X4	Reducer	8 X 4	\$18
431-8X5	Reducer	8 X 5	\$18
431-8X6	Reducer	8 X 6	\$15
431-8X7	Reducer	8 X 7	\$15
431-9X5	Reducer	9 X 5	\$20
431-9X6	Reducer	9 X 6	\$20
431-9X7	Reducer	9 X 7	\$20
431-9x8	Reducer	9 x 8	\$20

CEILING BOXES

CEILING BOX SIDE OUTLET



Part No	Description	Size	Price
51S-10-10-10	Side outlet ceiling box	10x10x10	\$33
51S-10-10-7	Side outlet ceiling box	10x10x7	\$28
51S-10-10-8	Side outlet ceiling box	10x10x8	\$28
51S-12-12-10	Side outlet ceiling box	12x12x10	\$30
51S-12-12-12	Side outlet ceiling box	12x12x12	\$33
51S-12-12-8	Side outlet ceiling box	12x12x8	\$30
51S-6-6-5	Side outlet ceiling box	6x6x5	\$15
51S-6-6-6	Side outlet ceiling box	6x6x6	\$13
51S-8-8-6	Side outlet ceiling box	8x8x6	\$13
51S-8-8-7	Side outlet ceiling box	8x8x7	\$15
51S-8-8-8	Side outlet ceiling box	8x8x8	\$20
51S-9-9-8	Side outlet ceiling box	9x9x8	\$23
51S-9-9-9	Side outlet ceiling box	9x9x9	\$25

DUCT & ACCESSORIES**LUKJAN METAL PRODUCTS****CEILING BOXES****CEILING BOX TOP OUTLET**

Part No	Description	Size	Price
51T-10-10-10	Top outlet ceiling box	10x10x10	\$18
51T-10-10-7	Top outlet ceiling box	10x10x7	\$18
51T-10-10-8	Top outlet ceiling box	10x10x8	\$18
51T-10-8-7	Top outlet ceiling box	10x8x7	\$18
51T-12-12-10	Top outlet ceiling box	12x12x10	\$23
51T-12-12-12	Top outlet ceiling box	12x12x12	\$23
51T-12-12-8	Top outlet ceiling box	12x12x8	\$23
51T-14-14-10	Top outlet ceiling box	14X14X10	\$33
51T-14-14-12	Top outlet ceiling box	14X14X12	\$33
51T-15-15-12	Top outlet ceiling box	15X15X12	\$38
51T-6-6-5	Top outlet ceiling box	6X6X5	\$15
51T-6-6-6	Top outlet ceiling box	6X6X6	\$13
51T-8-8-6	Top outlet ceiling box	8X8X6	\$13
51T-8-8-7	Top outlet ceiling box	8X8X7	\$13
51T-8-8-8	Top outlet ceiling box	8X8X8	\$15
51T-9-9-8	Top outlet ceiling box	9X9X8	\$18
51T-9-9-9	Top outlet ceiling box	9X9X9	\$18

INSULATED CEILING BOXES**SIDE OUTLET**

Part No	Description	Size	Price
51SI-10-10-8	Insulated Side outlet ceiling box	10x10x8	\$28
51SI-6-6-5	Insulated Side outlet ceiling box	6x6x5	\$23
51SI-6-6-6	Insulated Side outlet ceiling box	6x6x6	\$23
51SI-8-8-6	Insulated Side outlet ceiling box	8x8x6	\$25
51SI-8-8-7	Insulated Side outlet ceiling box	8x8x7	\$25
51SI-8-8-8	Insulated Side outlet ceiling box	8x8x8	\$25

TOP OUTLET

Part No	Description	Size	Price
51TI-10-10-8	Insulated Top outlet ceiling box	10X10X8	\$25
51TI-6-6-5	Insulated Top outlet ceiling box	6X6X5	\$20
51TI-6-6-6	Insulated Top outlet ceiling box	6X6X6	\$20
51TI-8-8-6	Insulated Top outlet ceiling box	8x8x6	\$20
51TI-8-8-7	Insulated Top outlet ceiling box	8x8x7	\$20
51TI-8-8-8	Insulated Top outlet ceiling box	8x8x8	\$20

TAKEOFFS FOR SHEETMETAL**ROUND ADJUSTABLE TAKE OFF**

Part No	Size	Guage	325	Price
325-6	6"	26	4.98	\$8

DUCT & ACCESSORIES

LUKJAN METAL PRODUCTS

TAKEOFFS FOR SHEETMETAL

SIDE SQUARE TAKEOFF



Part No	Size	Gauge	Price
328-5	5"	26	\$10
328-6	6"	26	\$10
328-7	7"	26	\$13
328-8	8"	26	\$18

NON-ADJUSTABLE TOP



Part No	Size	Gauge	Price
564-10	10"	26	\$23
564-12	12"	26	\$33
564-5	5"	26	\$10
564-6	6"	26	\$8
564-7	7"	26	\$10
564-8	8"	26	\$20
564-9	9"	26	\$23

TEES AND WYES

FLUE WYE



Part No	Diameter	Price
229-10	10"	\$63
229-12	12"	\$95
229-4	4"	\$30
229-4x4x3	4x4x3	\$33
229-5	5"	\$35
229-5x4x3	5x4x3	\$35
229-6	6"	\$35
229-7	7"	\$38
229-8	8"	\$43

TEES



Part No	Size	Price
352-10	10"	\$48
352-12	12"	\$65
352-14	14"	\$95
352-16	16"	\$140
352-18	18"	\$173
352-3	3"	\$23
352-4	4"	\$25
352-5	5"	\$25
352-6	6"	\$25
352-7	7"	\$30
352-8	8"	\$33
352-9	9"	\$48

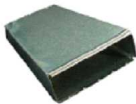
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LUKJAN METAL PRODUCTS

WALL STACK AND FITTINGS

WALL STACK TWO PIECE

SNAP-LOCK



Part No	Size	Price
WS-2x10x60	2 1/4 x 10 x 60	\$40
WS-2x12x30	2 1/4 x 12 x 30	\$20
WS-2x12x60	2 1/4 x 12 x 60	\$35
WS-2x12x96	2 1/4 x 12 x 96	\$58
WS-3x10x30	3 1/4 x 10 x 30	\$20
WS-3x10x60	3 1/4 x 10 x 60	\$33
WS-3x12x30	3 1/4 x 12 x 30	\$20
WS-3x12x60	3 1/4 x 12 x 60	\$43
WS-3x14x60	3 1/4 x 14 x 60	\$45

WALL STACK FITTINGS ELBOWS AND ANGLES

VERTICAL STACK 90° ELBOW



Part No	Size	Gauge	Price
307-2x10	2-1/4 x 10	26	\$15
307-2x12	2-1/4 x 12	26	\$15
307-3x10	3-1/4 x 10	26	\$15
307-3x12	3-1/4 x 12	26	\$15
307-3x14	3-1/4 x 14	26	\$20

VERTICAL STACK 45° ANGLE



Part No	Size	Gauge	Price
314-2x12	2-1/4 x 12	26	\$13
314-2x14	2-1/4 x 14	26	\$18
314-3x10	3-1/4 x 10	26	\$10
314-3x12	3-1/4 x 12	26	\$13

HORIZONTAL STACK 90° ELBOW



Part No	Size	Gauge	Price
525-2x12	2-1/4 x 12	26	\$25
525-3x10	3-1/4 x 10	26	\$25
525-3x12	3-1/4 x 12	26	\$28
525-3x14	3-1/4 x 14	26	\$25

HORIZONTAL STACK 45° ANGLE



Part No	Size	Price
532-3x10	3-1/4 x 10	\$23
532-3x12	3-1/4 x 12	\$25

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CHIMNEY CAPS

CONE TOP CAP



Part No	Galvanized Size	Galvanized Wt	Price
GCT 3	3"	0.45	\$8
GCT 4	4"	0.45	\$9
GCT 5	5"	0.45	\$10
GCT 6	6"	0.45	\$11

VENTILATORS

ROTARY VENTILATORS - (NYLATRON BEARING SYSTEM)



Part No	Galvanized Size	Galvanized Wt	Price
RV-10	10"	4.00	\$108
RV-12	12"	4.00	\$130
RV-6	6"	4.00	\$72
RV-8	8"	4.00	\$84

DUCT & ACCESSORIES

FIBERGLASS DUCTBOARD



Features And Benefits: • Low thermal conductivity of 0.23 at 75°F (24°C) mean temperature. • Low installed cost, insulated duct system. • Excellent acoustical characteristics. • Non-woven all-glass mat facing on the airstream surface. • Assured insulation thickness, shiplap joints, and FSK vapor retarder. • If necessary, can be cleaned in accordance with NAIMA's "Cleaning Fibrous Glass Insulated Air Duct Systems Recommended Practices." • Air Duct Board systems meet the fire and smoke safety regulations of most federal, state, and local building codes. **Air Velocity (UL 181):** Maximum 5000 fpm (1524 mpm) / Tested to 12,500 fpm (3810 mpm). **Internal Static Pressure (UL 181):** Maximum ±2" water 498 pascals [Pa]. • Fabrication in shop environment lowers field installation time. • AGM facing ensures a smoother airstream surface for a cleaner cut and added durability. • Lower installation cost than with duct wrap and duct liner. • Quiet, efficient air delivery. • Reduces noise generated by air turbulence and mechanical equipment. • Eliminates "booming" and "cracking" sounds caused by sheet metal duct contraction and expansion. • Condensation control. • Strong thermal performance. • Code compliance. **Grooved ductboard now available!**

Call for Pricing!

Part No	Size	Thickness	R-Value	Service Temperature (ASTM C 411)	Price
CT475OC-41010-BX	4x10	1"	4.2	Up to 250°F	\$73
CT800CT-41015-BX	4x10	1-1/2"	6.0	Up to 250°F	\$115
CT800CT-41020-BX	4x10	2"	8.0	Up to 250°F	\$137

OWENS CORNING DUCT WRAP

SOFT FIBERGLASS DUCT WRAP



Owens Corning Pink AF-FDM fiber glass flexible insulation is a lightweight, flexible, resilient thermal and acoustical insulation made of inorganic glass fibers bonded with a thermosetting resin.

Part No	R value	Dimension	Price
FSK075-112	4.2	1 1/2"x48"x100'	\$243
FSK075-2.2	6.0	2.2"x48"x75'	\$253
FSK075-3	8.3	3"x48"x50'	\$238

Packaging: Compression packaged, open end rolls

STAPLE GUN OUTWARD CLENCH



Features And Benefits: • Patented, easy squeeze design • Quick-load magazine • Jam-Free design • Unique design turns staple legs outward • Ergonomically designed comfort grip application • Pipe wrap • Duct board • Corrugated

Part No	Quantity / Box	Weight	Staple Capacity	Price
PC3000-0C2	12	2.2 lbs, 1 kilos	84	\$113
PC4000-0C2	12	2.2 lbs, 1 kilos	84	\$145

STAPLES



Part No	Quantity / Box	Case qty	Size	Price
STCR2619-1/2	5,000	20 bx	1/2"	\$25
STCR5019-1/2	4,000	20 bx	1/2"	\$23
STCR5019-3/8	5,000	20 bx	3/8"	\$33
STCR5019-9/16	4,000	10 bx	9/16"	\$33

SUPERIOR SPECIALTY SUPPLY

ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)



The KRP-150FR is flush mounted, with anchor straps and mouting holes to facilitate installation. (Insulated).

Part No	Description
KRP-150FR	Fire-rated Universal Flush-Mounted Access Door

DUCT & ACCESSORIES

SUPERIOR SPECIALTY SUPPLY

ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)

STANDARD SIZES				STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping	Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)	H & W	Opening (Inches)	Latches	Wt. (lbs.)
8x8	8 ^{3/8} x 8 ^{3/8}	1	6.3	30x24	30 ^{3/8} x 24 ^{3/8}	1	32.2
12x12*	12 ^{3/8} x 12 ^{3/8}	1	9.7	30x30	30 ^{3/8} x 30 ^{3/8}	1	37.7
14x14	14 ^{3/8} x 14 ^{3/8}	1	12.7	32x32	32 ^{3/8} x 32 ^{3/8}	1	41.3
16x16*	16 ^{3/8} x 16 ^{3/8}	1	14.1	36x22	36 ^{3/8} x 22 ^{3/8}	2	34.4
18x18*	18 ^{3/8} x 18 ^{3/8}	1	18.9	36x24*	36 ^{3/8} x 24 ^{3/8}	2	40.2
24x12	24 ^{3/8} x 12 ^{3/8}	1	15.5	36x36	36 ^{3/8} x 36 ^{3/8}	2	52.0
22x22	22 ^{3/8} x 22 ^{3/8}	1	24.0	48x24	48 ^{3/8} x 24 ^{3/8}	2	48.9
24x24*	24 ^{3/8} x 24 ^{3/8}	1	26.7	48x36	48 ^{3/8} x 36 ^{3/8}	2	62.0
30x22	30 ^{3/8} x 22 ^{3/8}	1	27.8	48x48	48 ^{3/8} x 48 ^{3/8}	2	89.0

*Stock Sizes Available In Stainless Steel

The KDW has a textured frame and bead so drywall joint compound can be applied in sufficient thickness to conceal the flange. Prepunched holes in the flange facilitate fastening the flange to framing members with drywall screws.



Part No	Description
KDW	Flush Drywall Access Door

Standard Sizes				Standard Sizes			
Door Size	Wall/Ceiling	Number Of	Shipping	Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)	H & W	Opening (Inches)	Latches	Wt. (lbs.)
6x6	6 ^{3/8} x 6 ^{3/8}	1	1.8	16x16	16 ^{3/8} x 16 ^{3/8}	2	8.8
8x8	8 ^{3/8} x 8 ^{3/8}	1	2.4	18x18	18 ^{3/8} x 18 ^{3/8}	2	11.1
10x10	10 ^{3/8} x 10 ^{3/8}	1	3.3	22x22	22 ^{3/8} x 22 ^{3/8}	4	15.3
12x12	12 ^{3/8} x 12 ^{3/8}	1	5.8	24x24	24 ^{3/8} x 24 ^{3/8}	5	17.2
14x14	14 ^{3/8} x 14 ^{3/8}	2	6.5	36x24	36 ^{3/8} x 24 ^{3/8}	5	25.9

The KRP-350FR has a textured frame and bead so drywall joint compound can be applied in sufficient thickness to conceal the flange. (Insulated).



Part No	Description
KRP-350FR	Insulated Fire Rated Access Door With Drywall Bead

STANDARD SIZES				STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping	Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)	H & W	Opening (Inches)	Latches	Wt. (lbs.)
8x8	8 ^{3/8} x 8 ^{3/8}	1	6.1	30x24	30 ^{3/8} x 24 ^{3/8}	1	31.0
12x12	12 ^{3/8} x 12 ^{3/8}	1	9.3	30x30	30 ^{3/8} x 30 ^{3/8}	1	36.3
14x14	14 ^{3/8} x 14 ^{3/8}	1	12.2	32x32	32 ^{3/8} x 32 ^{3/8}	1	39.8
16x16	16 ^{3/8} x 16 ^{3/8}	1	13.6	36x22	36 ^{3/8} x 32 ^{3/8}	2	33.1
18x18	18 ^{3/8} x 18 ^{3/8}	1	18.2	36x24	36 ^{3/8} x 24 ^{3/8}	2	38.7
24x12	24 ^{3/8} x 12 ^{3/8}	1	14.9	36x36	36 ^{3/8} x 36 ^{3/8}	2	50.1
22x22	22 ^{3/8} x 22 ^{3/8}	1	23.5	48x24	48 ^{3/8} x 24 ^{3/8}	2	47.7
24x24	24 ^{3/8} x 24 ^{3/8}	1	25.7	48x36	48 ^{3/8} x 36 ^{3/8}	2	59.7
30x22	30 ^{3/8} x 22 ^{3/8}	1	26.8	48x48	48 ^{3/8} x 48 ^{3/8}	2	85.7

DUCT & ACCESSORIES**SUPERIOR SPECIALTY SUPPLY****ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)**

The KRP-250FR is flush mounted, with anchor straps and mounting holes to facilitate installation. (Insulated).

Part No	Description
KRP-250FR	Non-insulated Fire Rated Access Door

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
8x8*	8 ^{3/8} x 8 ^{3/8}	1	5.1
12x12*	12 ^{3/8} x 12 ^{3/8}	1	8.5
14x14	14 ^{3/8} x 14 ^{3/8}	1	9.8
16x16	16 ^{3/8} x 16 ^{3/8}	1	11.7
18x18*	18 ^{3/8} x 18 ^{3/8}	1	13.8

*Stock Sizes Available In Stainless Steel.

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
24x24*	24 ^{3/8} x 24 ^{3/8}	1	20.5
30x22	30 ^{3/8} x 22 ^{3/8}	1	22.6
30x30	30 ^{3/8} x 30 ^{3/8}	1	28.2
36x24	36 ^{3/8} x 24 ^{3/8}	2	28.5
36x36	36 ^{3/8} x 36 ^{3/8}	2	39.6



The KRP-450FR has a textured frame and bead so drywall joint compound can be applied in sufficient thickness to conceal. (Non-Insulated).

Part No	Description
KRP-450FR	Non-insulated Fire Rated Access Door With Drywall Bead

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
8x8	8 ^{3/8} x 8 ^{3/8}	1	4.3
12x12	12 ^{3/8} x 12 ^{3/8}	1	7.2
14x14	14 ^{3/8} x 14 ^{3/8}	1	8.3
16x16	16 ^{3/8} x 16 ^{3/8}	1	9.9
18x18	18 ^{3/8} x 18 ^{3/8}	1	11.7

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
24x24	24 ^{3/8} x 24 ^{3/8}	1	17.4
30x22	30 ^{3/8} x 22 ^{3/8}	1	19.1
30x30	30 ^{3/8} x 30 ^{3/8}	1	23.9
36x24	36 ^{3/8} x 24 ^{3/8}	2	24.1
36x36	36 ^{3/8} x 36 ^{3/8}	2	33.5

The face of the door on the RDW is recessed to receive a panel of drywall to provide a dry wall finish on the door to match the texture of surrounding drywall. The door frame includes a drywall bead so that drywall cement can be applied to conceal the flange.

Part No	Description
RDW	Recessed Door To Receive Drywall

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
12x12	12 ^{1/8} x 12 ^{1/8}	1	7.4
18x18	18 ^{1/8} x 18 ^{1/8}	2	12.8
24x12	24 ^{1/8} x 12 ^{1/8}	2	12.5
24x24	24 ^{1/8} x 24 ^{1/8}	2	19.4
36x24	36 ^{1/8} x 24 ^{1/8}	3	29.0



DUCT & ACCESSORIES

SUPERIOR SPECIALTY SUPPLY

ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)



The DSC-214M is a distinctly superior door for new installations or for remodeling. The exposed flange rigidity to the unit and perfectly conceals the rough wall opening. Flexible anchor straps can be provided for installation within masonry openings.

Part No	Description
DSC-214M	Universal Flush Access Door

STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
6x6	6 3/8 x 6 3/8	1	2.1
8x8*	8 3/8 x 8 3/8	1	3.1
10x10*	10 3/8 x 10 3/8	1	4.3
12x8	12 3/8 x 8 3/8	1	4.6
12x12*	12 3/8 x 12 3/8	1	6.3
14x14	14 3/8 x 14 3/8	2	8.1
16x12	16 3/8 x 12 3/8	2	7.8
16x16*	16 3/8 x 16 3/8	2	9.9
18x12	18 3/8 x 12 3/8	2	8.9
18x18*	18 3/8 x 18 3/8	2	12.2
20x16	20 3/8 x 16 3/8	2	11.8
22x22	22 3/8 x 22 3/8	4	16.3

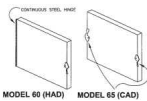
STANDARD SIZES			
Door Size	Wall/Ceiling	Number Of	Shipping
H & W	Opening (Inches)	Latches	Wt. (lbs.)
24x12	24 3/8 x 12 3/8	2	10.6
24x18	24 3/8 x 18 3/8	2	14.5
24x20	24 3/8 x 20 3/8	2	16.5
24x24*	24 3/8 x 24 3/8	5	18.7
30x20	30 3/8 x 20 3/8	5	20.1
30x22	30 3/8 x 22 3/8	5	21.7
30x24	30 3/8 x 24 3/8	5	23.6
30x30	30 3/8 x 30 3/8	5	27.8
36x32	36 3/8 x 32 3/8	5	25.6
36x24	36 3/8 x 24 3/8	5	28.2
36x36	36 3/8 x 36 3/8	5	36.8
48x24	48 3/8 x 24 3/8	6	34.4

**Stock Sizes Available In Stainless Steel

LLOYD INDUSTRIES

ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)

MODEL 60 HAD AND MODEL 65 CAD



Part No	Size	Description	Price	Price
60HAD	10x10	Hinged 1? Access Door With Insulation		\$38
60HAD	12x12	Hinged 1? Access Door With Insulation		\$42
60HAD	14x14	Hinged 1? Access Door With Insulation		\$52
60HAD	16x16	Hinged 1? Access Door With Insulation		\$60
60HAD	18x18	Hinged 1? Access Door With Insulation		\$70
60HAD	6x6	Hinged 1? Access Door With Insulation		\$31
60HAD	8x8	Hinged 1? Access Door With Insulation		\$34
65CAD	various	Double Cam 1" Access Door With Insulation	Call for price	

NOTES:

- 1. Hinged doors over 14"x14" have(3) cam latches.
- 2. Double cam doors over 14"x14" have(4) cam latches.
- 3. All models include 1/8"-thick x 1/2"-wide door-to-frame gasketing.

HVAC DISTRIBUTORS INC

DUCT & ACCESSORIES

Call or visit one of our 4 locations.

LLOYD INDUSTRIES

ACCESS DOOR (SPECIAL ORDER-CALL FOR PRICING)

MODEL 60 RHAD AND MODEL 65 RCAD



Part No	Size	Description	Price
60RHAD	various	Hinged 1? Access Door With Insulation	Call for price
65RCAD	Various	Double Cam 1" Access Door With Insulation	Call for price

- NOTES:
- 1. Hinged doors over 14"x14" have(3) cam latches.
 - 2. Double cam doors over 14"x 14' have(4) cam latches.
 - 3. All models include ¼"-thick x ½"-wide door-to-frame gasketing.

HVAC DISTRIBUTORS INC

DUCTLESS SPLIT EQUIPMENT

Call or visit one of our 4 locations.

QUIETSIDESIDE CORPORATION

QH SERIES HEAT PUMP

HEAT PUMP HIGH WALL SINGLE ZONE MINI SPLIT 13 SEER



The AQ Heat Pump High Wall units are designed to provide maximum cooling and heating performance from the smallest possible Indoor unit. The unit is designed to be mounted high on an interior wall where the best possible air distribution pattern can be achieved. The unit is designed for a whisper quiet operation and to allow the air passing through the evaporator coil to be both cooled or heated and de-humidified for the optimum comfort level. The Samsung units do not have any Auxiliary Heat installed in them. During the demand defrost cycle the Samsung unit will stop the Indoor fan preventing cold air from being circulated into the room. When the Outdoor unit has completed defrost, the unit will return to Heat Pump Heating, however the Indoor Fan will not re-start until the Indoor coil temperature has reached 131 DegF. This is Samsung's warm start. Other similar Mini Splits with electric heat installed, only use the heat element to offset the cold air supplied during defrost periods - this should not be confused with having auxiliary heat to supplement the Heat Pump during very cold weather.

Part No	Cooling Capacity	Heating Capacity	Seer	Voltage	Brkr Sz	Controls	Price
QSH0913	9,000 Btu/h	9,500 Btu/h	13	115V-1-60	15A	Electronic with a Hand Held Remote Controller (20' Range)	\$1,543
QSH1213	11,500 Btu/h	12,500 Btu/h	13	208/230V-1-60	15A	Electronic with a Hand Held Remote Controller (20' Range)	\$1,978
QSH1813	17,500 Btu/h	18,000 Btu/h	13	208/230V-1-60	25A	Electronic with a Hand Held Remote Controller (20' Range)	\$2,720
QSH2413	23,500 Btu/h	24,000 Btu/h	13	208/230V-1-60	25A	Electronic with a Hand Held Remote Controller (20' Range)	\$2,943

QC SERIES COOLING ONLY MINI SPLIT

COOLING ONLY HIGH WALL SINGLE ZONE MINI SPLIT 13 SEER



The AS Cooling only High Wall units are designed to provide maximum cooling from the smallest possible Indoor unit. The unit is designed to be mounted high on an interior wall where the best possible air distribution pattern can be achieved The unit is deisgned for a whisper quiet operation and to allow the air passing through the evaporator coil to be both cooled and de-umidifed for the optimum comfort level Triple Filtration features 2 permanent dust fi lters and a replaceable De-Odorizing and Electro Static Filter Clean Filters monthly and replace bi-monthly

Part No	Capacity	Seer	Voltage	Brkr Sz	Controls	Price
QSC0913	9,000	13	115V-1-60	15A	Electronic with a Hand Held Remote Controller (20' Range)	\$1,490
QSC1213	11,500	13	208/230V-1-60	15A	Electronic with a Hand Held Remote Controller (20' Range)	\$1,855
QSC1813	18,000	13	208/230V-1-60	20A	Electronic with a Hand Held Remote Controller (20' Range)	\$2,685
QSC2413	23,500	13	208/230V-1-60	25A	Electronic with a Hand Held Remote Controller (20' Range)	\$2,878

DUCTLESS SPLIT EQUIPMENT

DUCTLESS SPLIT EQUIPMENT

SANYO

WALL MOUNTED AIR CONDITIONERS



Sanyo's Ductless Split Air Conditioner & Heat Pump products offer wide versatility in solving your cooling and heating requirements. The Indoor unit (evaporator) is mounted inside the room, enclosed in a handsome space saving cabinet. It is connected to the outdoor unit (condenser) via refrigerant lines & inter-unit wiring through a 3-1/2" opening in the wall. Since no ductwork is required, installation is simple, fast & efficient. There is no need to use up window space or cut large openings in existing walls, which could undermine the integrity of your structure, and even pose security risks. Since the Rotary compressor is located in the outdoor unit, compressor operating noise is virtually eliminated from the indoor. The indoor unit has been uniquely designed to provide Whisper Quiet operation while delivering comfort throughout the room(s). In addition, rotary compressors provide efficient, powerful cooling at the lowest noise levels in the industry. Wireless remote included. Lineset not included.

Part No	Unit Model No				Capacity BTU/H				
	BTU/H Cooling	Indoor	Outdoor	SEER	Voltage	Breaker Sz	Low Ambient	Lineset Size	Price
09KLS71	9,000	KS0971	CL0971	16	115	20	Y	1/4 x 3/8	\$2,515
09KS71	9,000	KS0971	C0971	16	115	20	N	1/4 x 3/8	\$2,110
12KLS71	11,900	KS1271	CL1271	16	115	20	Y	1/4 x 3/8	\$2,713
12KS71	11,900	KS1271	C1271	16	115	20	Y	1/4 x 3/8	\$2,283
18KLS72	17,500	KS1872	CL1872	16	208/230/1	20	Y	1/4 x 1/2	\$4,010
18KS72	17,500	KS1872	C1872	16	208/230/1	20	N	1/4 x 1/2	\$3,115
24KLS72	24,200	KS2472	CL2472	16	208/230/1	20	Y	1/4 x 5/8	\$4,405
24KS72	24,200	KS2472	C2472	16	208/230/1	20	N	1/4 x 5/8	\$3,493
30K72R	29,800	KH3072R	C3072R	15	208/230/1	15(indoor)35(odu)	Built-in 0 deg F	3/8 x 5/8	\$7,880
36K72R	31,400	KH3672R	C3672R	15.9	208/230/1	15(indoor)35(odu)	Built-in 0 deg F	3/8 x 5/8	\$8,728

WALL MOUNTED HEAT PUMPS



Part No	Unit Model No				Capacity BTU/H				
	BTU/H clg/htg	Indoor	Outdoor	SEER	Voltage	Breaker Sz	Low Ambient	Lineset Size	Price
09KHS71	9,000/12,200	KHS0971	CH0971	16	115	20	not available	1/4 x 3/8	\$2,425
12KHS71	11,900/14,300	KHS1271	CH1271	16	115	20	not available	1/4 x 3/8	\$2,713
18KHS72	17,500/20,400	KHS1872	CH1872	16	208/230/1	20	not available	1/4 x 1/2	\$3,518
24KHS72	24,200/29,000	KHS2472	CH2472	16	208/230/1	20	not available	1/4 x 5/8	\$4,160
30KH72	29,800/34,800	KHS3072R	CH3072R	15	208/230/1	15(indoor)35(odu)	built-in 0 deg F	3/8 x 5/8	\$8,118
36KH72R	31,400/36,400	KHS3672R	CH3672R	15.9	208/230/1	15(indoor)35(odu)	built-in 0 deg F	3/8 x 5/8	\$8,985

CEILING RECESSED

AIR CONDITIONER



*Wireless remote control & PNR-XH grille included. Lineset not included.

Part No	Unit Model No				Capacity BTU/H				
	BTU/H Cooling	Indoor	Outdoor	SEER	Voltage	Breaker Sz	Low Ambient	Lineset Size	Price
26X72R	24,800	XH2672R	C2672R	14.1	208/230/1	15(indoor)30(odu)	built-in 0 deg F	3/8 x 5/8	\$7,370
36X72R	32,600	XH3672R	C3672R	14.6	208/230/1	15(indoor)35(odu)	built-in 0 deg F	3/8 x 5/8	\$8,828
42X72R	39,500	XH4272R	C4272R	14.6	208/230/1	15(indoor)40(odu)	built-in 0 deg F	3/8 x 5/8	\$11,600

DUCTLESS SPLIT EQUIPMENT**SANYO****CEILING RECESSED****HEAT PUMP**

*Wireless remote control & PNR-XH grille included. Lineset not included.

Part No	BTU/H Clg/Htg	Unit Model No		SEER	Voltage	Capacity BTU/H		Low Ambient	Lineset Size	Price
		Indoor	Outdoor			Breaker Sz				
26XH72R	24,800/29,800	XH2672R	CH2672R	14.1	208/230/1	15(indoor)30(odu)		built-in 0 deg F	3/8 x 5/8	\$7,620
36XH72R	32,600/37,600	XH3672R	CH3672R	14.6	208/230/1	15(indoor)35(odu)		built-in 0 deg F	3/8 x 5/8	\$9,085
42XH72R	39,500/48,000	XH4272R	CH4272R	14.6	208/230/1	15(indoor)40(odu)		built-in 0 deg F	3/8 x 5/8	\$11,600

CEILING SUSPENDED**AIR CONDITIONER**

*Wireless remote control included. Lineset not included.

Part No	BTU/H Cooling	Unit Model No		SEER	Voltage	Capacity BTU/H		Low Ambient	Lineset Size	Price
		Indoor	Outdoor			Breaker Sz				
26T72R	24,400	TH2672R	C2672R	14.5	208/230/1	15(indoor)30(odu)		built-in 0 deg F	3/8 x 5/8	\$7,010
36T72R	31,200	TH3672R	C3672R	15.1	208/230/1	15(indoor)35(odu)		built-in 0 deg F	3/8 x 5/8	\$8,618
42T72R	39,000	TH4272R	C4272R	15.6	208/230/1	15(indoor)40(odu)		built-in 0 deg F	3/8 x 5/8	\$11,078

HEAT PUMP

*Wireless remote control included. Lineset not included.

Part No	BTU/H Clg/Htg	Unit Model No		SEER	Voltage	Capacity BTU/H		Low Ambient	Lineset Size	Price
		Indoor	Outdoor			Breaker Sz				
26TH72R	24,400/30,800	TH2672R	CH2672R	14.5	208/230/1	15(indoor)30(odu)		built-in 0 deg F	3/8 x 5/8	\$7,260
36TH72R	31,200/37,400	TH3672R	CH3672R	15.1	208/230/1	15(indoor)35(odu)		built-in 0 deg F	3/8 x 5/8	\$8,875
42TH72R	39,000/44,500	TH4272R	CH4272R	15.6	208/230/1	15(indoor)40(odu)		built-in 0 deg F	3/8 x 5/8	\$11,078

DUCTLESS SPLIT EQUIPMENT

SANYO

MULTI-ZONE

A/C & HEAT PUMP



Sanyo's new **"flexi-multi" 13 SEER** system allows you to mix and match various capacity wall hung indoor units up to, and in some cases in excess of, the outdoor units capacity. (if exceeding the outdoor unit capacity, contact HVAC Distributors for system viability) The outdoor units come in nominal 19,000, 24,000, and 31,000 btu capacities in both heat pumps and air conditioners. Indoor units come in 7,500, 9,000, 12,000, 18,000, and 24,000 nominal btu sizes. The kits listed below are a few examples of how you can use the "flexi-multi" system. Numerous other combinations can be used. All units use a 20A breaker.

***The systems listed come complete with a wireless remote control. Lineset not included.**

Part No	Desc	Indoor	Outdoor	Volts	Low Ambient	Lineset Size	Price
2ACX19-0707	2 zone AC	(2) KMS0772	CM1972	208/230/1	No (use 2ACL19)	1/4 X 3/8	\$4,758
2ACX19-0712	2 zone AC	KMS0772,KMS1272	CM1972	208/230/1	No (use 2ACL19)	1/4 X 3/8	\$4,850
2ACX19-0909	2 zone AC	(2) KMS0972	CM1972	208/230/1	No (use 2ACL19)	1/4 X 3/8	\$4,848
2HPX19-0707	2 zone Heat Pump	(2) KMS0772	CMH1972	208/230/1	No	1/4 X 3/8	\$5,478
2HPX19-0712	2 zone Heat Pump	KMS0772,KMS1272	CMH1972	208/230/1	No	1/4 X 3/8	\$5,573
2HPX19-0909	2 zone Heat Pump	(2) KMS0972	CMH1972	208/230/1	No	1/4 X 3/8	\$5,570
3ACX24-070707	3 zone AC	(3) KMS0772	CM2472	208/230/1	No (use 3ACL24)	1/4 X 3/8	\$5,763
3ACX24-070709	3 zone AC	(2)KMS0772(1)KMS0972	CM2472	208/230/1	No (use 3ACL24)	1/4 X 3/8	\$5,808
3HPX24-070707	3 zone Heat Pump	(3)KMS0772	CMH2472	208/230/1	No	1/4 X 3/8	\$7,013
3HPX24-070709	3 zone Heat Pump	(2)KMS0772(1)kms0972	CMH2472	208/230/1	No	1/4 X 3/8	\$7,060
4ACX31-07070707	4 zone AC	(4) KMS0772	CM3172	208/230/1	No (use 4ACL31)	1/4 X 3/8	\$9,185
4ACX31-07070709	4 zone AC	(3)KMS0772(1)kms0972	CM3172	208/230/1	No (use 4ACL31)	1/4 X 3/8	\$9,230
4HPX31-07070707	4 zone Heat Pump	(4)KMS0772	CMH3172	208/230/1	No	1/4 X 3/8	\$11,358
4HPX31-07070709	4 zone Heat Pump	(3)KMS0772(1)KMS0972	CMH3172	208/230/1	No	1/4 X 3/8	\$11,405

HVAC DISTRIBUTORS INC

DUCTLESS SPLIT EQUIPMENT

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SANYO

SYSTEM OPTION & ACCESSORIES

REFRIGERANT LINE SET

Part No	Description	Price
406M-15-3/8	Insulated Tubing Kit 1/4" and 3/8" x 15"	\$138
406M-25-3/8	Insulated Tubing Kit 1/4" and 3/8" x 25"	\$188
406M-35-3/8	Insulated Tubing Kit 1/4" and 3/8" x 35"	\$248
408M-15-3/8	Insulated Tubing Kit 1/4" and 1/2" x 15'	\$148
408M-25-3/8	Insulated Tubing Kit 1/4" and 1/2" x 25'	\$205
408M-35-3/8	Insulated Tubing Kit 1/4" and 1/2" x 35'	\$270
410M-25-3/8	Insulated Tubing Kit 1/4" and 5/8" x 25'	\$233
410M-35-3/8	Insulated Tubing Kit 1/4" and 5/8" x 35'	\$303
410M-50-3/8	Insulated Tubing Kit 1/4" and 5/8" x 50'	\$410
AP2710BH	Insulated Tubing Kit 1/4" and 3/4" x 30'	\$215
AP2715BH	Insulated Tubing Kit 1/4" and 3/4" x 50'	\$355
610M-35-3/8	Insulated Tubing Kit 3/8" and 5/8" x 35'	\$333
AP3210BH	Insulated Tubing Kit 3/8" and 3/4" x 30'	\$395
RCS5PS4B	Locking Bracket for Remote Controller	\$55
RCS-SH80UA-WL	Remote Control Wireless	\$655
STK-K5050	Mounting Bracket for Outdoor Unit	\$248

DUCTLESS SPLIT EQUIPMENT

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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DEVCO ENTERPRISES

ANCHORS



Part No	Description	Price
7101CX	Flange Anchor Kit Yellow, #8x1" combo head SMS w 3/16" bit, 100 s + 100 a	\$15
7102CX	Flange Anchor Kit Red, #10x1-1/4" combo hd. SMS w 1/4" bit, 100 s + 100 a	\$20
7103CX	Flange Anchor Kit Blue, #4x3/4" combo head SMS w 5/32" bit, 100 s + 100 a	\$10

BATTERIES

ENERGIZER INDUSTRIAL BATTERIES



Part No	Description	Pkg Qty	Price
BAT-9V	Energizer Industrial Battery, 9V, alkaline	72	\$8
BAT-AA	Energizer Industrial Battery, 1.5V "AA" cell, alkaline	144	\$3
BAT-AAA	Energizer Industrial Battery, 1.5V "AAA" cell, alkaline	144	\$3
BAT-C	Energizer Industrial Battery, 1.5V "C" cell, alkaline	72	\$5
BAT-D	Energizer Industrial Battery, 1.5V "D" cell, alkaline	72	\$5

BOXES, RINGS, COVERS & PLATES



Part No	Description	Price
PI361	Utility Box, galv. steel, 4" x 2-1/8" x 2-1/8", 1/2" KO, 14.5 in ³	\$8
PI362	1900 Box, galv. steel, 4" x 4" x 1-1/2", 1/2" & 3/4" KO, 21 in ³	\$5
PI365	Utility Cover, Toggle Switch, 2-11/32" x 4-1/4", Pltd. Steel	\$3
PI366	Utility Cover, Duplex Receptacle, 2-11/32" x 4-1/4", Pltd. Steel	\$3
PI367	Utility Cover, Blank, 2-11/32" x 4-1/4", Pltd. Steel	\$3
PI368	1900 Cover, Toggle Sw. & Duplex Rec., cadilite fin. steel, 4" x 4", raised 1/2"	\$5
PI373	Utility Cover,"EMERGENCY OIL BURNER",2-11/32"x4-1/4",red fin.,wht. Letters	\$5
PI374	Utility Cover,"EMERGENCY GAS BURNER",2-11/32"x4-1/4",red fin.,wht. Letters	\$5
PI377	1900 Cover, Single Toggle Switch, cadilite fin. steel, 4" x 4", raised 1/2"	\$5
PI378	1900 Cover, Single Duplex Receptacle, cadilite fin. steel, 4" x 4", raised 1/2"	\$5
PI393	Utility Plate,"EMERGENCY OIL BURNER",2-3/4"x4-1/2",red fin.,wht. letters	\$5
PI394	Utility Plate,"EMERGENCY GAS BURNER",2-3/4"x4-1/2",red fin.,wht. Letters	\$5
PI440	Combination Coupling, for connecting 1/2" EMT to 3/8" flexible steel conduit	\$8

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

MARS ELECTRICAL PRODUCTS

OUTLET BOXES

STEEL



Multi-purpose electrical utility boxes

Part No	Description	Size	Case Qty	Price
PI361	blank	2" x 4"	25	\$8
PI362	blank	4" x 4"	25	\$5

OUTLET BOX COVERS

STEEL



Multi-purpose electrical utility box covers

Part No	Description	Size	Case Qty	Price
84989	blank	2" x 4"	25	\$3
84962	blank	4" x 4"	25	\$3

DEVCO ENTERPRISES

CABLE CONNECTORS



Part No	Description	Price
PI311	BX Connector, set screw type, 3/8" Tr., 1/2" KO., zn die cast, 25 pcs.	\$28
PI315	BX Connector, 90°, 3/8"Tr., 1/2" KO, zn die cast	\$10
PI319CX	Romex Connector, 3/4" Tr., 3/4" KO., zn Pltd. die cast, 100 pcs	\$305
PI320	Romex Connector, 3/8" Tr., 1/2" KO., zn Pltd. die cast, 25 pcs	\$28
PI321	Romex Connector, 3/8" Tr., 1/2" KO., zn Pltd. die cast	\$10
PI411	E.M.T. Connector, Thinwall, compression type, 1/2" Tr., 1/2" KO, zn die cast	\$10

FITTINGS



Part No	Description	Price
ED273CX	Electrical Staple, insul. cu. finish, size #5, 5/8" x 1/4", 100 pcs	\$13
PI301	Conduit Nipple,1/2" offset,zn die cast steel w pltd. stl locknuts,insul. Bushings	\$15
PI309	Romex Staple 1" x 1/2" , non-ins steel, for romex & NM cable (14/2-10/3)	\$10
PI331	Plastic " Anti-Short" Bushing, 14/2, 14/3 &12/2 BX cable	\$13
PI343	Locknut, for 1/2" conduit, zn Pltd. Steel	\$5

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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DEVCO ENTERPRISES

HIGH TEMPERATURE TERMINALS



Part No	Description	Price
60251	Slip-On F 12-10, Non-Ins.,.250	\$8

IDENTIFICATION TAGS & CABLE MARKERS



Part No	Description	Price
WM1003	Cable Marker Book, numeric, contains 10 each: 1 - 45	\$38

SCREWS



Part No	Description	Price
6853HCX	Slotted Hex Washer Head Screw #10x1/2", FPS, zn Pltd., 100 pcs	\$8

SPECIAL PURPOSE TERMINALS



Part No	Description	Price
60210	Tab Ad., piggy back QD, Ins.,.250,16-14, multi stack male & female	\$80
6209	Tab Ad. Q Dis.,Non-Ins #6 Scw.	\$8
6211	Tab Ad. S. F, Dbl M, .250, Non-Ins	\$8
6212	Dbl. M. Tab Ad.,S. F. Non-Ins	\$8
6222LX	Dead End Conn. 22-14,Fully Ins., 50 pcs	\$13
6223LX	Dead End Conn. 18-10,Fully Ins., 50 pcs	\$13
6230	M Tab Str. Non-Ins. #8, .250	\$8
6289LX	Bullet Plug & Rec. 16-14, Ins., 50pc	\$20

ELECTRICAL PRODUCTS

DEVCO ENTERPRISES

STANDARD TERMINALS



Part No	Description	Price
60259HX	Comp. Lead Kt,12" 10ga wire,12-10 wtrprf. Butt. Conn.,Comp. Flg F 12-10 .250	\$20
61233LX	Slip-on M & F 16-14, .250, Full Ins, Nylon, 50 pcs	\$18
6216LX	Ring 16-14, Ins. #10 Stud, 50 pcs	\$13
6217CX	Butt Conn. 16-14, Ins. 100 pcs	\$23
6217LX	Butt Conn. 16-14, Ins. 50 pcs	\$13
6218	Slip-on F 16-14, Ins.,.250	\$8
6218LX	Slip-on F 16-14, Ins.,.250, 50 pcs	\$13
6219	Slip-on M 16-14, Ins.,.250	\$8
6224	Flag F QD, 12-10, Non- Ins., ,250	\$8
6227LX	Spade 16-14, Ins.,#8 Stud	\$13
6229LX	Slip-on F 16-14, Full Ins,.250	\$28
6231LX	Butt Conn. 12-10, Ins., 50 pcs	\$18
6232LX	Butt Conn. 22-18, Ins., 50 pcs	\$10
6233LX	Slip-on F 16-14, .250, Full Ins, Nylon, 50 pcs	\$20
6234LX	Slip-on M 16-14, .250, Full Ins, Nylon, 50 pcs	\$20
6235	Slip-on F 22-18, Ins., .250	\$8
6235LX	Slip-on F 22-18, Ins., .250, 50 pcs	\$13
6237	Spade 22-18, Ins.,#8 Stud	\$8
6239LX	Spr. Spade 16-14, Ins.,#8 Stud	\$13
6251	Slip-on F 12-10, Ins.,.250	\$8
6251LX	Slip-on F 12-10, Ins.,.250	\$18
6252	Ring 12-10, Ins. #10 Stud	\$8
6252LX	Ring 12-10, Ins. #10 Stud	\$18
6255	Spade 12-10, Ins.,#10 Stud	\$8
6255LX	Spade 12-10, Ins.,#10 Stud, 50 pcs	\$18
6257NX	Ring #8, Ins. 1/4" Stud, 25 pcs	\$25
6258	Comp. Flag F. 16-14, Non-Ins, .250	\$8
6259	Comp. Flag F. 12-10, Non-Ins, .250	\$8
6259CX	Comp. Flag F. 12-10, Non-Ins, .250, 100 pcs	\$43
6270	Comp. Flag F., 12-8, Non-Ins, .250	\$8
6277NX	Flag F QD, 16-14, .250, Fully Ins., Nylon, 25 pcs	\$18
6281	Slip-on F 16-14, Ins., .187	\$8
6281LX	Slip-on F 16-14, Ins., .187, 50 pcs	\$13
6282	Slip-on F 22-18, Ins., .187	\$8
6287XX	Butt Conn. #8, Ins. 10 pcs	\$13

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC
ELECTRICAL PRODUCTS

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DEVCO ENTERPRISES

WIRING DEVICES



Part No	Description	Price
6291	Wire Connector Mini-Gray	\$5
6292	Wire Connector Tiny-Blue	\$5
6292CX-B	Wire Connector Tiny-Blue, boxed, 100 pcs	\$13
6293	Wire Connector Small-Orange	\$5
6293CX-B	Wire Connector Small-Orange, boxed, 100 pcs	\$15
6294	Wire Connector Medium-Yellow	\$5
6294CX-B	Wire Connector Medium-Yellow, boxed, 100 pcs	\$18
6295X	Assorted Wire Connectors	\$13
6296	Wire Connector Large-Red	\$5
6296CX-B	Wire Connector Large-Red, boxed, 100 pcs	\$28
ED1232	Toggle Switch, D.P., 30A-120/277V, brown	\$55
ED1238	Toggle Switch, S.P., 20A-120/277V, brown	\$15
ED1262-2	Toggle Switch, D.P., 15A-120/277V, brown	\$23
ED1301	Toggle Switch, S.P., 15A-120V, brown	\$5
ED270	Duplex Receptacle, 15A-125V, 2 pl., 3 wr., brown	\$5
ED877	Duplex Receptacle, 20A-125V, 2 pl., 3 wr., brown	\$13
EM480	In-Line Fuse Holder, 1-1/4 x 1/4" fuses, to 20A/32V, 14 ga red vnl. insl. 15" lead	\$13
PI380	Utility Fuse Outlet, w cover, 3/4HP-125V AC only, galv. Steel	\$30
PI381	Utility Fuse Outlet & Switch, w cover, 1/2HP-125V AC only, galv. Steel	\$38

FUNCTIONAL DEVICES INC

RIB RELAYS

ENCLOSED MINI CURRENT SENSORS



Part No	Sensor Range	Sens or Type	Sensor Thres hold	Output	Price
RIBXKTF	.25-150A	Ring	Fixed	Solid State Switch - SPST, 30 Vac/dc, .4 Amps Max (Terminal Strip)	\$45

ENCLOSED PILOT RELAYS



Part No	AC/DC	AC	Relays	Contacts	Resistive	Motor	Price
RIBL4C	10-30		3,1	SPST,SPDT	10A	1/3 HP	\$123
RIBL3C	10-30		3	SPST	10A	1/3 HP	\$95
RIBH1S	10-30	208-277	1	SPST	10A	1/3 HP	\$55
RIBH1C	10-30	208-277	1	SPDT	10A	1/3 HP	\$38
RIB2402D	24	208-277	1	DPDT	10A	1/2 HP	\$60
RIB2401D	24	120	1	DPDT	10A	1/2 HP	\$55
RIBU1S	10-30	120	1	SPST	10A	1/3 HP	\$48
RIBU1C	10-30	120	1	SPDT	10A	1/3 H	\$33

ENCLOSED POWER RELAYS



Part No	AC/D C	AC	Relays	Contacts	Resistive	Motor	Ballast	Tungsten	Pilot Duty	Price
RIB2401B	24	120	1	SPDT	20A	2 HP	20A	1200W	1110VA	\$50

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

MOTOR RUN CAPACITORS

370 VOLT - OVAL



Part No	Micro Farad	Price
25/5 x 370	25/5	\$16
45 x 370	45	\$26
3 x 370	3	\$8
35 x 370	35	\$14
30 x 370	30	\$16
25 x 370	25	\$14
45/5 x 370	45/5	\$20
50 x 370	50	\$23
30/5 x 370	30/5	\$16
4 x 370	4	\$10
20 x 370	20	\$14
12.5 x 370	12.5	\$10
10 x 370	10	\$10
7.5 x 370	7.5	\$10
5 x 370	5	\$8
20/5 x 370	20/5	\$22
15 x 370	15	\$16
35/5 x 370	35/5	\$18
60 x 370	60	\$37
40 x 370	40	\$22
55 x 370	55	\$24

440 VOLT - OVAL



Part No	Micro Farad	Price
55 x 440	55	\$26
50 x 440	50	\$26
4 x 440	4	\$10
45 x 440	45	\$24
40 x 440	40	\$22
30 x 440	30	\$18
30/5 x 440	30/5	\$22
25 x 440	25	\$18
40/5 x 440	40/5	\$24
20 x 440	20	\$16
35 x 440	35	\$18
7.5 x 440	7.5	\$8
5 x 440	5	\$6
12.5 x 440	12.5	\$12
10 x 440	10	\$10
15 x 440	15	\$14
6 x 440	6	\$10
25/5 x 440	25/5	\$20

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

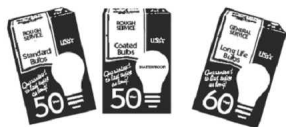
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MOTORS & ARMATURES INC

MARS ACCESSORY PRODUCTS

LIGHT BULBS

ROUGH SERVICE COATED - SHATTERPROOF BULB 130 VOLT



Part No	Description	Case Qty	Price
79175	75 watt	24	\$8
79176	100 watt	24	\$8

MAG-LITE FLASHLIGHTS

MAGLITE® REPLACEMENT LAMPS



Part No	Description	Case Qty	Mag No	Price
79223	AA/AAA bulb 2 pack	12	LM2A001	\$10

MARS ELECTRICAL PRODUCTS

FERRAZ SHAWMUT CARTRIDGE FUSES

CARTRIDGE FUSES, TYPE TR



Part No	Description	Case Qty	Price
82034	15a-250V, TR fuse	100	\$8
82032	10a-250V, TR fuse	100	\$8
82037	25a-250V, TR fuse	100	\$8
82036	20a-250V, TR fuse	100	\$8
82039	35a-250V, TR fuse	100	\$13
82040	40a-250V, TR fuse	100	\$20
82041	45a-250V, TR fuse	100	\$13
82024	5a-250V, TR fuse	100	\$10
82042	50a-250V, TR fuse	100	\$13
82043	60a-250V, TR fuse	100	\$13
82038	30a-250V, TR fuse	100	\$8

CARTRIDGE FUSES, TYPE TRS



Part No	Description	Case Qty	Price
82134	15a -600V, TRS fuse	200	\$15
82136	20a -600V, TRS fuse	200	\$15

FERRAZ SHAWMUT GLASS & PLUG FUSES

DUAL ELEMENT, TIME DELAY (TYPE S) UL 125V



Part No	Description	Case Qty	Price
82316	3 2/10a, S plug fuse	100	\$25
82330	15a, S plug fuse	100	\$5

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ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

MARS ELECTRICAL PRODUCTS

FERRAZ SHAWMUT GLASS & PLUG FUSES

DUAL ELEMENT, TIME DELAY (TYPE T) UL 125V



Part No	Description	Case Qty	Price
82346	15a, T plug fuse	100	\$5
82347	20a, T plug fuse	100	\$5

FERRAZ SHAWMUT SPECIALTY FUSES

SPECIALTY FUSES



Part No	Description	Case Qty	Price
82230	ATC-3a, auto blade fuse (5 pk)	5	\$13
82231	ATC-5a, auto blade fuse (5 pk)	5	\$13

SIEMENS CIRCUIT BREAKERS

I-T-E CIRCUIT BREAKERS PLUG-IN INTERCHANGEABLE TYPE-BULK



Part No	Description	Case Qty	Price
83200	15a- 120/240 VAC, 1 pole	6	\$15
83201	20a- 120/240 VAC, 1 pole	6	\$15
83220	15a- 120/240 VAC, 2 pole	3	\$35
83221	20a- 120/240 VAC, 2 pole	3	\$33
83223	30a- 120/240 VAC, 2 pole	3	\$33
83225	40a- 120/240 VAC, 2 pole	3	\$35
83228	60a- 120/240 VAC, 2 pole	3	\$35

SIEMENS DISCONNECTS AND SAFETY SWITCHES

I-T-E PLUG FUSE TYPE - UL LISTED



Part No	Description	Type	Case Qty	Price
83344	30a-120/240V-2 pole, interior	1	1	\$50

SERIES 253

LEAK DETECTORS

MARS H-10G UNIVERSAL REFRIGERANT LEAK DETECTOR



Part No	Voltage	Refrigerants	Sensitivity	Alarm	Price
25303	115V 50/60 Hz.	Sensitive to R-12, R-123, R-134a,R-22, R-502, HP-62, R410A	Chlorine based refrigerants .05 oz./yr.fluorine based refrigerants .5 oz./yr.	80db horn and flashing light	\$1,270

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

SERIES 324

SOLID STATE CRANKCASE HEATERS

PTCR CRANKCASE HEATERS



Part No	Watts	Volts	Type	Price
32342	36	120/240	Heater with self-stick foil	\$68

SERIES 327

START ASSIST

SOLID STATE START ASSIST DEVICE



Part No	Sugg ested Max Hp	Approx Starting* Torque Increase	Resistance(Ohms)	Max Line Voltage	Price
32370	5	225%	50±20%	292	\$33

SERIES 332

RELAYS

THERMAL TIME DELAY RELAYS SEQUENCERS

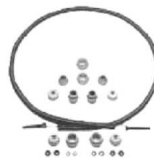


Part No	Weight	Replaces Klixon Type 6000	Control Voltage	Delay (Sec) On	Delay (Sec) Off	Price
33244	DPST N.O.	EOM	24	1-24	45-75	\$53

SERIES 346

ELECTRIC HEAT

REPLACEMENT COIL ECONOMY KITS



Part No	Description	Price
34601	5000 Watt @ 240 V; includes 300° fuse link, coil, insulators & hardware	\$28

ELECTRICAL PRODUCTS

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ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

SERIES 430

MARS ENCLOSED RELAYS

MARS ENCLOSED SWITCHING RELAYS



Part No	Coil Voltage	Hz	Amp Rating	HP		Switch Action	Type Mount	Terminals	Coil Data	Price
				120V	240V					
43060	24	50/60	12	1/3	1/2	SPDT	plug-in	3/16 blade	2.0 VA	\$50
43066	24	50/60	11	1/3	1/2	3PDT	plug-in	3/16 blade	2.0 VA	\$78
43067	120	50/60	11	1/3	1/2	3PDT	plug-in	3/16 blade	2.0 VA	\$68
43068	240	50/60	11	1/3	1/2	3PDT	plug-in	3/16 blade	2.0 VA	\$70

SERIES 430 MARS ENCLOSED RELAYS

MARS ENCLOSED SWITCHING RELAYS



Part No	Description	Price
93058	Socket Base. Can be surface or DIN rail mounted.	\$60

SERIES 503

MARS CONTROL TRANSFORMERS NEMA CLASS II

FOOT-MOUNT END BELL TYPE



Part No	VA Rating	Primary	Secondary	Price
		Voltage	Voltage	
50320	75	120 / 208 / 240 / 480	24	\$103

FOOT-MOUNT END BELL TYPE WITH MANUAL RESET



Part No	VA	Prim Voltage	Scndry Voltage	Primary Hz	Price
50327	50	120 / 208 / 240 / 480	24	60	\$88
50341	100	120 / 208 / 240 / 480	24	60	\$220
50321	75	120 / 208 / 240 / 480	24	50/60	\$108

* 100VA and higher does not qualify for NEMA II

MULTI-MOUNT END BELL TYPE



Part No	VA Rating	Primary Voltage	Secondary Voltage	Price
50333	48	120 / 208 / 240	24 / 12 / 2.5	\$35

ELECTRICAL PRODUCTS

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

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MOTORS & ARMATURES INC

SERIES 903 MARS GENERAL PURPOSE SWITCHING RELAYS

HEAVY DUTY FAN RELAYS



Part No	Type	Coil Voltage	Price
90-380	SPNO-SPNC	24	\$18

SPST AND SPDT FAN RELAYS



Part No	Type	Voltage	Price
90290Q	SPNO	24	\$12
90291Q	SPNO	115	\$14
90292Q	SPNO	208/240	\$16
90293	SPDT	24	\$15
90294Q	SPDT	115	\$14
90340	DPDT	24	\$14
90341	DPDT	115	\$12
90342	DPDT	208/240	\$14
90344	DPDT	115	\$20
90345	DPDT	208/240	\$26
90346	DPDT	24	\$16
90360	SPNO	24	\$12
90370	SPDT	24	\$12

SERIES 910 & 600

MARS CONTACTOR RENEWAL PARTS

AUXILIARY SERIES 600 & 910



Part No	Model No	Arrowhart Model No	Switching Action	Price
92602	93	34220-332N	1 N.O. 1 N.C.	\$28

SERIES 930 COMPONENT ACCESSORIES

ACCESSORIES FOR RELAYS AND CAPACITORS



Part No	Description	Price
93013	3 Hole Boot for Dual Section (Protector (boots) for Motor Run Capacitors)	\$5
93012	2 Hole Boot (Protector (boots) for Motor Run Capacitors)	\$5

ROMEX WIRE



Part No	Description	Roll Size	Price
WIRE-BX-10/2	WIRE BX 10AWG/2CONDCTR ACT STL	250 feet	\$488
WIRE-BX-12/2	WIRE BX 12AWG/2CONDCTR ACT STL	250 feet	\$90

ELECTRICAL PRODUCTS

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Q-MARK

BASEBOARD HEATERS

2500 SERIES

ELECTRIC BASEBOARD HEATERS



For use in residential construction such as single family homes, apartments, modular or mobile homes as well as commercial, industrial and institutional construction. Use as primary, secondary or supplemental heat for new construction or remodel applications.

Easily installed without disassembly, lead wires allow quick field connection to either end of heater, easy-out knockouts, chimney fin element design for maximum air circulation, UL listed for installation on wall at floor level with wall to wall carpeting, Navajo white enamel finish, permanently attached copper grounding wire in each wiring compartment, dimensions 6-3/4" high, 2-7/8" deep.

Part No	Volts (1 phase)	Watts	Length	Weight (lbs)	Price
25008W	208	2500	8ft	18.5	\$208
2502W	208	400	2ft	5.2	\$80
2503W	208	750	3ft	7.5	\$93
2504W	208	1000	4ft	7.510	\$110
2505W	208	1250	5ft	11.5	\$125
2506W	208	1500	6ft	14	\$178
2508W	208	2000	8ft	18.5	\$193
2512W	120	400	2ft	5.2	\$75
2513W	120	750	3ft	7.5	\$93
2514W	120	1000	4ft	10	\$93
2515W	120	1250	5ft	11.5	\$114
2516W	120	1500	6ft	14	\$125
2542W	240/208	400/300	2ft	5.2	\$73
2543W	240/208	750/564	3ft	7.5	\$110
2544W	240/208	1000/752	4ft	10	\$108
2545W	240/208	1250/940	5ft	11.5	\$150
25708W	277/240/208	2500/1880/1410	8ft	18.5	\$157
2572W	277/240/208	400/300/225	2ft	5.2	\$60
2573W	277/240/208	750/564/423	3ft	7.5	\$90
2574W	277/240/208	1000/752/564	4ft	10	\$88
2575W	277/240/208	1250/940/705	5ft	11.5	\$114
2576W	277/240/208	1500/1128/846	6ft	14	\$125
2578W	277/240/208	2000/1504/1128	8ft	18.5	\$146

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Q-MARK
BASEBOARD HEATERS
2500 SERIES
ACCESSORIES

Controls & accessories for 2500 series baseboard heaters

Part No	Description	Price
DSW2W	DP disconnect switch, 20A @ 120/277V	\$95
FS12	1ft filler section	\$23
FS24	2ft filler section	\$38
FS36	3ft filler section	\$78
FS48	4ft filler section	\$153
FSJ2	2-inch joiner strip	\$23
ICAW	Inside Corner	\$125
RA1W	120V duplex receptacle	\$24
TA1AW	SP Baseboard Thermostat 22A @ 120-277V	\$58
TA1TPAW	tamper resistant version of the TA1AW	\$66
TA2AW	DP Thermostat, 22A @ 120-277V	\$66
TA2TPAW	Tamper resistant version of the TA2AW	\$54

CBD SERIES
HEAVY-DUTY COMMERCIAL BASEBOARD HEATERS



CBD Series heavy-duty baseboard, with its complete line of accessories and controls, can solve the space heating needs of virtually any type commercial structure. Individual room control allows you to heat each room separately for the best energy savings.

16ga cold rolled steel construction, heating element design combines durability of steel with the excellent heat transfer of aluminum fins, identical pre-wired junction boxes at each end are large and roomy to work in, heavy-duty welded steel louvered grilles discourage insertion of foreign objects and direct heat outward into room, many other sizes and accessories available.

Part No	Volts	Watts	Amps	Btu/Hr	Length	Weight (Lbs)	Price
CBD1000	120	1000	8.3	3413	46"	13	\$518
CBD1004	240/208	1000/750	4.2/3.6	3413	46"	13	\$518
CBD1007	277/240/208	1000/750/562	3.6/3.1/2.7	3413	46"	13	\$518
CBD1008	208	1000	4.8	3413	46"	13	\$518
CBD500	120	500	4.2	1706	28"	8	\$388
CBD504	240/208	500/375	2.1/1.8	1706	28"	8	\$388
CBD507	277/240/208	500/375/282	1.8/1.6/1.4	1706	28"	8	\$388
CBD508	208	500	2.4	1706	28"	8	\$388
CBD750	120	750	6.3	2560	34"	10	\$445
CBD754	240/208	750/562	3.1/2.7	2560	34"	10	\$445
CBD757	277/240/208	750/562/422	2.7/2.3/2.0	2560	34"	10	\$445
CBD758	208	750	3.6	2560	34"	10	\$483

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Q-MARK

BASEBOARD HEATERS

CBD SERIES

ACCESSORIES

Controls & accessories for CBD series baseboard heaters

Part No	Description	Price
HBBT1	SP thermostat 25A @ 120-277V	\$82
HBBT1TP	tamper resistant version of HBBT1	\$94
HBBT2	DP thermostat 25A @ 120-277V	\$103
HBBT2TP	tamper resistant version of HBBT2	\$114

QMKC SERIES

COMMERCIAL BASEBOARD HEATERS



The QMKC with its complete line of accessories and controls, can solve virtually all of your space heating needs in almost any type of commercial structure.

18ga front cover brackets allow heater to withstand the rigors of commercial applications, can be installed without disassembly, built-in wireway, chimney fin type element, steel sheathed element, roomy junction box, uses the same accessories as the 2500 series baseboard heater.

Part No	Volts	Watts	Length	Weight (lbs)	Price
QMKC2503W	208	750	3ft	7.5	\$255
QMKC2504W	208	1000	4ft	10	\$310
QMKC2505W	208	1250	5ft	11.5	\$368
QMKC2513W	120	750	3ft	7.5	\$255
QMKC2514W	120	1000	4ft	10	\$310
QMKC2515W	120	1250	5ft	11.5	\$368
QMKC2543W	240/208	750/564	3ft	7.5	\$255
QMKC2544W	240/208	1000/752	4ft	10	\$310
QMKC2545W	240/208	1250/940	5ft	11.5	\$368
QMKC2573W	277/240/208	750/564/423	3ft	7.5	\$255
QMKC2574W	277/240/208	1000/752/564	4ft	10	\$310
QMKC2575W	277/240/208	1250/940/705	5ft	11.5	\$368

ELECTRICAL PRODUCTS

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Q-MARK

CEILING HEATERS

CDF SERIES

COMMERCIAL DOWNFLOW CEILING MOUNTED HEATERS



The CDF ceiling-mounted fan-forced heaters are designed for commercial and industrial areas requiring electric fan-forced heat. Capacities are 2,000 to 5,000 watts. Type CDF-SE surface enclosures are designed to mount flat on the ceiling and extend only 6" into the room. Type CDF-RE enclosures have no protrusions outside the recess box, allowing the heater to recess only 7" into the ceiling space. Mounts into permanent ceiling with trim ring.

Phosphatized baked enamel finish, built-in fan delay, automatic thermal cut-out, multiple phase heaters-the 208 and 240 volt heaters can be field converted from single to three phase operation, numerous sizes available (CDF548 shown), special order-call HVAC Distributors for pricing.

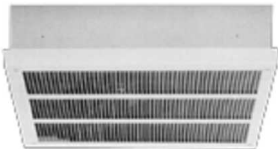
Part No	Volts	Phase	KW	Amps	Btu/Hr	Wire Size	CFM	Weight (Lbs)	Price
CDF548	208	1-3	4/3/2	19.2/14.4/9.6	13.7/10.2/6.8	AWG 10	283	27	\$1,315

CDF ACCESSORIES

Part No	Description	Price
CDFTK	Trim Kit for mounting on permanent ceiling (cannot be factory installed).	\$80
CDFSE	Surface Mounting Enclosure only – To be used with above heater sections. Dimensions: 20”L x 161/2”W x 53/4”D.	\$445
CDFRE	Recess Mounting Enclosure only – To be used with above heater sections. Dimensions: 233/4”L x 233/4”W x 7”D.	\$480

EFF SERIES

CEILING MOUNTED FAN-FORCED HEATERS



QMark's high-capacity, heavy-duty fan forced ceiling heaters are designed for use almost anywhere in commercial, industrial, or institutional areas requiring electric fan forced heaters where wall space is not available. 1500 to 4800 watt range. They perform exceptionally well in such applications as entryways, hallways, restrooms, stores, detention environments, and similar large areas. They will accomodate pneumatic/electric or low voltage controls commomly used with computerized energy management systems.

Navajo white finish, 1/4" mesh screen deters insertion of foreign objects, fan delay standard, numerous sizes available (EFF4008 shown).

Part No	Volts	Watts	Amps	Btu/Hr	Price
EFF4008	208	4000	19.2	13,652	\$933

Q-MARK
CONVECTOR HEATERS
CSH SERIES
COMMERCIAL SILL-HEIGHT CONVECTORS



Provide total or supplemental heating for offices, corridors, lobbies or similar facilities. These units are not, however, designed for residential use. Mounted under expanses of glass, they prevent cold down-drafts. With a broad range of heating capacities per foot length, 125 watts (435 BTU per hour) to 750 watts (2,560 BTU per hour), these units can be run from wall-to-wall or they can be mounted as discrete units in lengths of 28 inches to 10 feet. Locate them at sill height (or lower) or run them from mullion-to-mullion.

- 125 to 250 watts per foot units can be positioned within 1-3/4" of the floor; 375 to 750 watts per foot units can be positioned to within 3" of the floor. The 5-1/2" high sill-height convectors are only 3" in depth (front to back); the seven and fourteen inch high models are only 5" in depth. 5-1/2 and 7 inch high models are available with top outlet only; 14 inch models are available with top or front outlet.
- Available in a spectrum of muted architectural colors in baked enamel finishes which are compatible with all interior decors. Front cover is fabricated from 16-gauge steel (14 gauge optional). For services, all internal parts are accessible by removing cover. Top of front cover engages with grille supports; bottom of cover locks into place with concealed Phillips head screws.
- Thermal limit switch with linear type (full length) sensing bulb provides constant protection against overheating from any cause. The switch will automatically reset when normal operating temperatures are restored. numerous sizes available. special order-call for pricing

Part No	Nominal Watts/Ft	Watts	Length in (mm)	Ampera ge 120V	Ampera ge 208V	Ampera ge 240V	Ampera ge 277V	Price
CSH05A2125	125	250	28"	2.4	1.2	1.0	0.9	\$508

DBA & SHA

ARCHITECTURAL SILL-HEIGHT CONVECTION HEATERS



Selection, beauty and performance - in a wide range of models, ratings and accessories for use in offices, corridors, lobbies and similar facilities. These units are not, however, designed for residential use. Unique "Snap-Lock" closure design secures the one-piece extruded aluminum top and front grilles to the one-piece back and bottom. This closure method provides a rapid, secure fit all along the length of the unit.

- Units can be wall-to-wall or mounted as discrete units in standard lengths of 28 inches to ten feet. Custom length cabinets with single or multiple heat decks are available, as are pedestal mounts. Optional built-in controls include: line-voltage thermostat, two-stage thermostat, disconnect switch, transformer relay, power relay and pneumatic/switch. numerous sizes available, special order-call HVAC Distributors for pricing

Part No	Height in (mm)	Width in (mm)	Length in (mm)	Price
DBA02	6"	3-5/8"	28" to 15'	Call for Price
SHA02	7"	5-3/8"	28" to 12'	Call for Price

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Q-MARK

CONVECTOR HEATERS

DPH & CPH

DECORATIVE AND COMMERCIAL PEDESTAL HEATERS



CPH/DPH Series units are ideal for high traffic areas with high heat needs where wall mounted units are not appropriate such as air, rail or bus terminals, corridors, lobbies, foyers, auditoriums, etc. These are not intended for residential applications. They can be mounted singly, in lengths from 28 inches to 10 feet, or joined end-to-end for complete perimeter heating. They are ruggedly built to withstand years of hard usage in public and commercial buildings.

- VARIABLE HEAT OUTPUT - Depending on the requirements of the space being heated, the CPH/DPH units may contain one to three heating elements that yield a broad range of heating capacity from 125 watts per foot (426 BTU per hour per foot) to 750 watts per foot (2560 BTU per hour per foot).
- RUGGED CONSTRUCTION - The front cover is constructed of 16 gauge steel with 14 gauge being optional. Also available is optional 1/4 inch mesh located under the discharge grille to deter the insertion of objects into the unit.
- MULTIPLE CABINET SIZES - The CPH/DPH is available in two cabinet sizes. This provides heating flexibility as well as styling flexibility.
- PRE-WIRED JUNCTION BOXES - Each unit has identical pre-wired junction boxes at either end of the unit to permit power supply entry and connection flexibility. Each unit has a wireway with factory installed wiring rated 35 amps for CPHAS and 45 amps for the CPHAM, eliminating the need to fish additional wires for multiple unit hook-up.
- OPTIONAL CONTROLS - Each unit has available a selection of optional built-in controls that include a single pole or double pole line voltage thermostat, disconnect switch, power relay or transformer relay.
- FINISHES - Nine standard painted colors plus grey primer are available. Custom color matching is also available for a normal color matching charge.
- numerous sizes available

Part No	Nomin al Watts/ Ft	Watts	Btu/Hr	Length in (mm)	No Of Elemen ts	Amperage				Price
						120V	208V	240V	277V	
CPH05A2125	125	250	853	28" (711mm)	One	2.4	1.2	1.0	0.9	\$558
DPH05A2125	125	250	853	28" (711mm)	One	2.4	1.2	1.0	0.9	\$667

Q-MARK
CONVECTOR HEATERS
DSH SERIES
DECORATIVE SILL-HEIGHT CONVECTORS



Provide total or supplemental heating for offices, corridors, lobbies or similar facilities. These units are not, however, designed for residential use. Mounted under expanses of glass, they prevent cold down-drafts.

- With a broad range of heating capacities per foot length, 125 watts (435 BTU per hour) to 750 watts (2,560 BTU per hour), these units can be run from wall-to-wall or they can be mounted as discrete units in lengths of 28 inches to 10 feet. Locate them at sill height (or lower) or run them from mullion-to-mullion.
- Front inlet models mount flush with floor. 125 to 250 watts per foot units can be positioned with 1-3/4" to the floor; 375 to 750 watts per foot units can be positioned to with 3" of the floor. The 5-1/2" high sill-height convectors are only 3" in depth (front to back); the 7 and 14" high models are only 5" in depth.
- Bottom Inlet-Top Outlet or Front Inlet-Top Outlet are available in a spectrum of muted architectural colors in baked enamel finishes which are compatible with all interior decors.
- Front cover is fabricated from 16-gauge steel (14-gauge optional). For service, all internal parts are accessible by removing cover. Top of front cover engages with grille supports; bottom of cover locks into place with concealed Phillips head screws.
- Depending on capacity required, each unit may contain one to three heating elements. Elements are long life metal sheath type, anchored to allow for quiet expansion and contraction.
- Thermal limit switch with linear type (full length) sensing bulb provides constant protection against overheating from any cause. The switch will automatically reset when normal operating temperatures are restored.
- Standard units are pre-wired. Units without optional controls are designed for either right or left hand entry for easy connection of supply wiring from bottom, rear or end, as well as multiple wiring of adjacent heaters from one entry point.
- numerous sizes available

Part No	Nominal Watts/Ft	Watts	Length in (mm)	Amperage				Price
				120V	208V	240V	277V	
DSH05A2125	125	250	28"	2.4	1.2	1.0	0.9	\$606

RADIANT HEATERS
CP SERIES
RADIANT CEILING PANELS



For complete or supplemental heating in a commercial, residential and institutional structures - new or remodeled construction of offices, classrooms, family rooms, bathrooms...whenever the utility and comfort of radiant ceiling heating is desired.

Radiant Ceiling Panel applications as primary or supplemental heat include...

COMMERCIAL building perimeters to neutralize down-drafts over glass, enclosed outside walkways and washrooms. SCHOOL locker rooms, cafeterias, laboratories and classrooms. HOSPITAL burn and trauma areas, recovery and examination rooms. RESIDENTIAL isolated cold spots, above sliding glass doors and floor to ceiling windows.

Part No	Volts	Watts	Dim (in)	Price
CP251	120	250	24x24x1	\$274

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Q-MARK

UNIT HEATERS

CU935 SERIES

CABINET UNIT HEATERS



Used in offices, stores, schools, churches, hospitals, dormitories, airport terminals, reception rooms, entrance lobbies, corridors and stairways.

- Basic cabinet can be mounted on the ceiling, floor or wall. Heaters can be mounted on the surface, full recessed or semi-recessed. Heater can be mounted for air discharge up or down or with the heater mounted on end the air can be discharged either left or right, to provide an air door affect. Cabinet constructed of heavy 16 gauge cold-rolled steel structurally formed to provide strength and rigidity for normal heavy wear and usage. Cabinet is finished in Neutral Grey epoxy. (Decorator colors optional). Nineteen capacities - 2kW to 32kW; five cabinet styles - 35", 45", 58", 68" and 78" lengths (26-3/8" height x 9-3/4" deep). 1/8 hp, PSC, motors are two-speed (1550/1450 rpm). Motors are resilient mounted with automatic thermal overload protection. Motor fuse protection is provided on all heaters to meet UL, cUL and NEC requirements. Plate fin element - steel fins are copper brazed to low watt density, steel-sheathed tubular heating elements. (80/20NiCh resistance wire). Element is finished with aluminized paint for corrosion resistance. Fins and elements are arranged in a uniform grid pattern and fit closely into the discharge area to assure that all outgoing air passes through the heating element. Thermal safety cutout - installed in direct contact with the heating element. Automatically shuts off the heater in the event of overheating due to any cause and reactivates the heater when operating temperature returns to normal. Built-in thermostat - single pole, snap-action thermostat with remote bulb sensor located directly in the air intake. (Optional - built-in two stage thermostat available). Easy and low cost field installation of a completely packaged heater. Automatic fan delay eliminates cold drafts on start-up and discharge residual heat from the heater body during shut down. Many options available. Numerous sizes available

Part No	KW	Btu/Hr	Cabine t Length (in)	CFM	Price
CU935	2 to 8	6,826 to 27,304	35	250	Call for Price

ELECTRICAL PRODUCTS

Q-MARK

UNIT HEATERS

MUH SERIES

MODULAR UNIT HEATERS



Unit mounts either horizontally or vertically. Totally versatile. For factories, warehouses, garages, stores, shipping rooms, power stations, aircraft hangers, etc. Can be used for primary, supplemental, spot or dual-system heating.

- Wide range of optional control kits are field installable, increasing the MUH adaptability to the specification market. Forced air unit heater with 10 power ratings; from 3kW to 50kW heating output; 208, 240, 277 and 480V; 10,230 to 170,500 BTU/hr. 32 compatible models (no need to try to assemble a heating system from 70 or 80 models). Heavy gauge die-formed steel housing. Two-toned smartly styled. Advanced pull-through air flow design draws air across heating element for more even air distribution and cooler element operation. Specially designed venturi outlet to meet that added throw as required in vertical position. Branch circuit fusing (when required). 1 or 3-phase wiring on 5 through 10kW 208/240V and 15kW 208V units (field interchangeable). 24V control transformer standard on most models, providing a safer and more accurate means of temperature control. 3kW and 5kW 208-277V, have line voltage controls as standard (24V control available on made-to-order basis). Automatic reset linear thermal cut-out, capillary type, provides protection over entire length of element areas (Manual reset protection available on made-to-order basis). 2-speed fan selector switch (25 to 50kW models). Fan delay feature eliminates cold drafts. Element heats up before fan cuts in, then fan continues to distribute heat after element shuts off. Individually adjustable discharge louvers to control air flow. Numerous sizes available.

Part No	volts/phase	KW	Mbtu/hr	amps	wire size	control voltage	Price
MUH0381	208/1	3	10.2	14.5	awg12	208	\$923
MUH0581	208/1-3	5	17	24	awg10	208	\$938
MUH108	208/1-3	10	34.1	48	awg4	24	\$1,573
MUH208	208/3	20	68.2	56	awg4	24	\$3,750
MUH402	208/240/3	30.0/40.0	102.3/136.4	104.2/120.4	awg1/0	24	\$6,033

MUH ACCESSORIES

Part No	Description	used on	Price
MMB10	universal wall & ceiling bracket	MUH-03,05,07,10	\$110
MMB20	universal wall & ceiling bracket	MUH-15,20	\$170

WALL HEATERS

1235 SERIES

ECONOMY WALL HEATERS



Use as an add-on heat source or as a primary heat supply. Recessed or surface (with optional 414 surface mount kit) mounted installations; horizontal or vertical mounting. Exclusive fan venturi design for quiet operation. Clean electric heat requires no ducting or venting. Front mounted thermostats for convenient room comfort control. Attractive safety grill removes easily for cleaning. Built-in, manual reset thermal safety switch to prevent overheating. Rugged, two-piece construction; easy to install. #414 Surface Mount Frame available

Part No	Volts	Hz	Watts	Amps	Btu/Hr	Height	Width	Depth	Price
1235	120	60	1500	12.5	5120	15 5/8"	10"	3 3/4"	\$255

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WALL HEATERS

AWH4000 SERIES

ARCHITECTURAL HEAVY-DUTY WALL HEATERS



QMark's high-capacity, heavy-duty fan-forced wall heaters are designed for use almost anywhere in commercial and industrial areas requiring high capacity and quick recovery. They perform exceptionally well in such applications as motels, entryways, stores, public restrooms, warehouses and other large, hard to heat areas.

1500, 2000, 3000, 4000 and 4800 watts; 120, 208, 240 and 277 volts; 60hz. Thermal overheat protector disconnects power in case of overheating due to accidental blockage. Built-in power disconnect switch for added safety during maintenance. Built-in fan delay switch energizes fan motor only after elements are heated...prevents discharge of unheated air. When heat shuts off, de-energizes fan motor after residual heat has been dissipated. Permanently lubricated totally enclosed fan motor provides long life and low maintenance; gently distributes warmth throughout room area. 100 CFM. Northern White color is optional.

ELECTRICAL PRODUCTS

Part No	Volts	Phase	Watts	Amps	Weight (lbs)	Wire Size	Price
AWH4307	277	1	3000/1500	10.8/5.4	25	12 AWG	\$940
AWH4404	240/208	1	4000/3000;2000/1500	16.7/14.5;8.3/7.2	25	10 AWG & 12 AWG	\$940
AWH44043	240	3	4000	9.7	25	14 AWG	\$1,090
AWH4407	277/240	1	4000/3000;2000/1500	14.5/12.5/7.2/6.3	25	12 AWG	\$940
AWH4408	208	1	4000/2000	19.2/9.6	25	10 AWG	\$940
AWH44083	208	3	4000	11.1	25	14 AWG	\$1,090
AWH4504	240/208	1	4800/3600	17.3/20.0	25	10 AWG	\$1,108
AWH45043	240	3	4800	11.6	25	14 AWG	\$1,185
AWH4507	277/240	1	4800/3600	15.0/17.3	25	10 AWG	\$1,108
AWH4508	208	1	4800	23.1	25	10 AWG	\$1,108
AWH45083	208	3	4800	13.4	25	12 AWG	\$1,185

AWH SERIES

ACCESSORIES

Part No	Description	Price
AWHS1	1" semi-recess mouning frame	\$115
AWHS2	2" semi-recess mouning frame	\$115
AWH-SM	Surface mounting frame for surface installations. Painted to match heater decor, 313/16" deep.	\$115

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Q-MARK

WALL HEATERS

B2400 SERIES



Use as an add-on heat source or as a primary heat supply. Coiled nichrome element for fast heat delivery. Snap-action thermostat for precise room comfort control. Matched fan and motor combination. Precision-balanced fan blades for quiet operation. Manual reset thermal limit switch for greater safety. 3-way push button control panel. Recessed or surface mounted installation (with optional surface mount adapter). Positive Off switch allows the unit to be electrically disconnected for complete seasonal shutdown. #417 Surface mount frame available.

Part No	Volts	Watts	Amps	Btu/Hr	Rough-in opening	Price
B2451	120/1	1500	12.5	5120	11-1/8" x 14-3/8"	\$303
B2452	240/208/1	2000/1500	8.3/7.2	5120	11-1/8" x 14-3/8"	\$318

CWH 3000 SERIES

COMMERCIAL FAN-FORCED WALL HEATERS



For supplementary heating of offices, reception rooms, game rooms, family rooms and similar light-duty commercial and residential applications.

1500, 2000, 3000, 4000 and 4800 watts; 120, 208, 240 and 277 volts; 60hZ. Integral thermostat for quick installation...separate thermostat not necessary (Range: 40°-90°F). Fan only operation for summer use. Thermal overheat protector disconnects power in event of overheating due to accidental blockage. Built-in power disconnect switch for added safety during maintenance. Built-in fan delay switch energizes fan motor only after elements are heated... prevents discharge of unheated air. When heat stuffs off, de-energized fan motor after residual heat has been dissipated. Permanently lubricated totally enclosed fan motor provides long life and low maintenance; gently distributes warmth throughout room area. 100CFM. Front cover is finished in Northern White baked enamel. A hole plug is provided for tamper resistant installations. Factory wired for higher wattage,field convertible to half wattage. Back box size 18-1/4"h x 14-5/16"w x 3-7/8"d

Part No	Volts	Phase	Watts	Amps	Min Supply Wire Gauge	Price
CWH3307	277	1	3000/1500	10.8/8.4	10;12	\$728
CWH3404	240/208	1	4000/3000/2000/1500	16.7/14.5;8.3/7.2	10;12	\$728
CWH34043	240	3	4000	9.7	10;12	\$843
CWH3407	277/240	1	4000/3000/2000/1500	14.5/12.5/7.2/6.3	10;12	\$728
CWH3408	208	1	4000/2000	19.2/9.6	10;12	\$728
CWH34083	208	3	4000	11.1	10;12	\$843
CWH3504	208/240	1	3600/4800	17.3/20.0	10;12	\$840
CWH35043	240	3	4800	11.6	10;12	\$900
CWH3507	240/277	1	3600/4800	15.0/17.3	10;12	\$840
CWH3508	208	1	4800	23.1	10;12	\$840
CWH35083	208	3	4800	13.4	10;12	\$900

ACCESSORIES

Part No	Description	Price
CWH3S1	1" semi-recessed frame	\$118
CWH3S2	2" semi-recessed frame	\$118
CWH3-SM	Surface mounting box for surface installations. Painted to match heater decor. 313/16" deep.	\$118

HVAC DISTRIBUTORS INC

ELECTRICAL PRODUCTS

Call or visit one of our 4 locations.

Q-MARK

WALL HEATERS

CWH1000 SERIES

COMMERCIAL FAN-FORCED WALL HEATERS



Fast heat response, compact design and versatility make the CWH1000 Series heaters ideal for dens, basements, converted attics, breezeways, garages, bathrooms, small offices, workshops and similar areas. Also, adaptable to multiple installations in somewhat larger or odd shaped room.

FAN DELAY: On a call for heat, element is energized but fan is delayed until element is warm, eliminating the circulation of cold air during start up. When the thermostat is satisfied, the element is de-energized, but the fan continues until all heated air is discharged providing longer component life and higher comfort level. Motor is totally enclosed, impedance protected with permanently lubricated bearings. Airflow system maximizes air volume at minimum noise level; 65 CFM. Rugged louvered commercial grade steel grille creates downflow air pattern. This heater is designed for installation in 2x4 or larger wall sections using the wall box provided. The heater may also be surface mounted to the wall by using the Surface Mounting Frame, Model No. CWHSM (order separately). Includes built-in disconnect switch. Northern White baked enamel finish.

Part No	Volts	Watts	Amps	Btu/Hr	Wire Size	Price
CWH1101DS	120/1	1000/500	8.40/4.20	3413,1706	14AWG	\$415
CWH1151DS	120/1	1500/750	12.5/6.25	5120/2560	12AWG	\$415
CWH1157DS	277/240/1	1500/750;1125/562	5.5/2.75;4.7/2.35	5120/2560;3840/1920	14AWG	\$415
CWH1201DS	120/1	1800	15	6143	12AWG	\$408
CWH1202DS	240/208/1	2000/1000/1500/750	8.3/4.2;7.2/3.61	6826/3413;5120/2560	14AWG	\$415
CWH1207DS	277/240/1	2000/1000;1500/750	7.2/3.61;6.25/3.2	6826/3413;5120;2560	14AWG	\$415
CWH1208DS	208/1	2000/1000	9.6/4.8	6826/3413	14AWG	\$415

CWH1000 ACCESSORIES

Part No	Description	Price
CWHS1	1" Recessed frame	\$75
CWHS2	2" Recessed frame	\$75
CWHSM	Surface Mounting Frame (Accessory) Order Separately 12-1/2" (318mm)H X 10-3/8" (264mm)W X 4" (102mm)D	\$75

Q-MARK

WALL HEATERS

GFR SERIES

FAN-FORCED WALL HEATERS



Fast heat response, contemporary design and very quiet operation make GFR Series fan-forced heaters ideal for bedrooms, dens, basements, converted attics, breezeways, garages, bathrooms, small offices, workshops and other similar areas. Also adaptable to multiple installations in somewhat larger or odd shaped rooms.

Dual Protection: Thermal cutout with indicator light and one time thermal fuse. Tangential blower for whisper quiet operation. Sienna White baked enamel finish. Open coil element assures quick heat and low maintenance. Three piece construction for ease of installation. Permanently lubricated, dust protected bearing.

Part No	Volts	Watts	Amps	Built-In Thermo	Weight (Lbs)	Price
GFR1500	120/1	1500/750;1125/375	12.5/6.3;9.4/3.1	No	10	\$405
GFR1500T2	120/1	1500/750	12.5/6.3	dbl pole	11	\$425
GFR2004	240/1	2000/1000;1500/500	8.3/4.2;6.3/2.1	No	10	\$440
GFR2004T2	240/1	2000/1000;1500/500	8.3/4.2;6.3/2.1	dbl pole	11	\$425
GFR2404	240/1	2400/1200	10.0/5.0	No	10	\$405
GFR2404T2	240/1	2400/1200	10.0/5.0	dbl pole	11	\$425

LFK SERIES



Qmark LFK Series 208/220/240-volt electric in-wall heaters come in three sizes for heating of offices, reception rooms, bathrooms, family rooms about any type of room. A rugged stamped steel front cover provides a down-flow air pattern gently distributing warmth throughout the room. Steel finned metal sheath electric heating elements provide uniform heat and a long service life.

Part No	Volts	Watts	Amps	Weight (lbs)	Price
LFK204	240/1	2000	8.3	22	\$555
LFK304	240/1	3000	12.5	22	\$555
LFK404	240/208/1	4000/3000	16.7/14.4	22	\$555
LFK484	240/208/1	4800/3600	20.9/17.3	22	\$555

WARREN MANUFACTURING CO

CUSTOM BUILT ELECTRIC DUCT HEATERS



Custom built electric duct heaters for installation in commercial HVAC systems. Warren heaters are engineered for reliability and safety and are specifically designed not to exceed safe operating temperatures. Custom built and safety tested and Isited by Underwriters Laboratories (UL) and the Canadian Standards Agency (CSA), and meet National Electric Code (NEC) requirements.

- virtually unlimited KW capacities and element size combinations
- wide variety of control options available including SCR controls

Part No	Volts	KW	Price
CBK-CUSTOM	all voltage	up to 150KW	Call for Price

ELECTRICAL PRODUCTS

WARREN MANUFACTURING CO

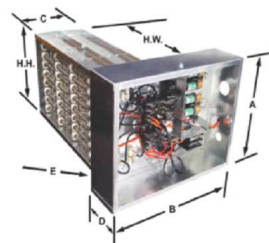
QUICKSILVER ELECTRIC DUCT HEATERS



The Quicksilver line of electric duct heaters by Warren offers you the best of both worlds. A custom built duct heater with the lead times of a stock-line heater. Quick production cycles on the Quicksilver line enable us to ship this heater in approx 5 working days from our Florida manufacturing facility. Large KW, accessory, and duct size options available.

Part No	KW	Volts	Lead time	Duct Size	Price
QS-Custom	up to 30KW	all voltages	5 working day	up to 36" x 20"	Call for Price

STOCK-LINE ELECTRIC DUCT HEATERS



Stock-line slip-in type duct heaters are designed to meet most residential and light commercial requirements for use in forced air duct systems. They may be used as the primary source of heat or as a supplementary or stand-by heat in heat pump, gas, or oil-fired systems. Several units may be used in a large duct or systems with branch ducts for zoning or seperate thermostat for zoning or seperate thermostat control. Designed to operate in a variety of duct sizes.

Part No	KW	Volts	Phase	Steps	Amps	Duct Size Limits				Price
						Min duct width	Max duct width	Min duct height	Max duct height	
SL10A	7.2-9.6	208-240	1	1	34.6-40	12	20	8	14	\$220
SL10T	7.4-9.9	208-240	3	1	20.7-23.9	12	20	8	14	\$220
SL15A	10-14.4	208-240	1	2	51.9-60	18	24	18	12	\$370
SL20A	14.4-19.2	208-240	1	2	69.2-80	16	22	10	14	\$400
SL5A	3.6-4.8	208-240	1	1	17.3-20	8	16	8	12	\$152

ELECTRICAL PRODUCTS

EMPIRE COMFORT SYSTEMS

DIRECT-VENT AND VENTED COUNTERFLOW WALL FURNACES

35,000 TO 55,000 BTU MODELS



• DVC-35 and FAW-40 May Be Recessed Between Standard Wall Studs • Total Comfort for a Fraction of the Cost of Electric Heat • Matchless Piezo Ignition • Convenient 24-Volt Wall Thermostat• Front Panels Remove Easily for Cleaning and Servicing • Counterflow Blower Circulates Warm Air at Floor Level • Multi-Room Heating Capacity with Optional Outlet Kits • 76% A.F.U.E.**Other sizes available. Call for pricing.**

Part No	BTU Input	Color	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
DVC-35-IP	35,000	Beige	14 1/8"	10 3/8"	72 1/2"	115	Yes	\$2,803
FAW-40-IP	40,000	Beige	14 1/8"	10 3/8"	72 1/2"	110	Yes	\$2,138

DIRECT-VENT WALL FURNACES DV SERIES

10,000 BTU MODELS



Clean and cost-efficient comfort makes DVseries the perfect heater to warm your smaller rooms. The slim, compact design allows it to tuck out of the way on an outside wall. Quiet burners, a "matchless" piezo ignition, and all the safety features you expect from Empire Comfort Systems come standard. Optional automatic blowers install easily for more even heat distribution. Our reliable milli volt wall thermostat needs no electricity, so you stay warm even when electric power goes out. Ideal for bedrooms or studies, wall furnaces add comfort and beauty to any decor.

Other sizes available. Call for pricing.

Part No	BTU Input	Color	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
DV-210-SG	10,000	Beige	16 1/4"	9 3/8"	21 3/8"	42	Yes	\$1,220

25,000 BTU MODELS



Heat larger areas with Empire's DV-25 Direct-Vent wall furnaces . Delivering room-filling warmth, each furnace is stylishly crafted and fits against an outside wall. A push of the button ignites the pilot with a "matchless" piezo system. Add an optional internal blower for even greater circulation.

Other sizes available. Call for pricing.

Part No	BTU Input	Color	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
DV-25-SG	25,000	Beige	37"	11 1/2"	27 3/4"	98	Yes	\$1,685

DIRECT-VENT WALL FURNACES MV-SERIES

8,400 TO 20,000 BTU MODELS

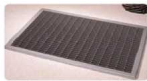


• Fuel-Efficient Heat • 8,400, 14,000, and 20,000 Btu Models • Built-in Thermostat • Safety Thermocouple• Matchless Piezo Igniter • Heats without Electricity • Natural or LP Gas Models • Easy to Install**Other sizes available. Call for pricing.**

BTU								
Part No	Maximum Input	Minimum Input	Temperature Control					Price
MV-120	8400	3800	Modulating Hydraulic Thermostat					\$859

FLOOR FURNACES

32,500 TO 65,000 BTU MODELS



America's most popular floor furnace because it provides total comfort for a fraction of the cost of electric heat. Requires no electricity to operate. Furnace is regulated by a wall thermostat included with all units and is capable of heating the whole house.

• America's Most Popular Floor Furnace • Total Comfort for a Fraction of the Cost of Electric Heat • Needs No Electricity to Operate• Matchless Push-Button Piezo Ignition • Millivolt Wall Thermostat • Whole-House Heating Capability**Other sizes available. Call for pricing.**

Part No	BTU Input	Weight	Temperature Control	Floor Opening Length & Width	Price
3588	32,500	108	Yes	32 5/16" x 20 5/16"	\$200

EMPIRE COMFORT SYSTEMS

GRAVITY WALL FURNACES

25,000 TO 50,000 BTU MODELS



• Comfortable grip handle for long term inspections • Convenient on/off light switch • Easily adjustable eyepiece • Available in 18", 24", 36", 48" 72" and 96" lengths plus thin versions (1/4 in. diam.) • Lengths up to 40 feet are available by custom order • Spring-lock shaft, really stays put • Superior optics • 25-hour battery life • Bright, white lighting (high/low beam) • LED light source never needs replacement **Other sizes available. Call for pricing.**

Part No	BTU Input	Height	Weight	Width	Depth	Height with Optional Blower Kit	Price
GWT-25	25,000	66 1/8"	92	16"	6"	71 7/8"	\$906

HIGH-EFFICIENT DIRECT-VENT WALL FURNACES

20,000, 40,000 AND 55,000 BTU MODELS



The Empire High-Efficient DV-20E (20,000 Btu), DV-40E (40,000 Btu) and DV-55E (55,000 Btu) heaters' attractive styling gives any room a contemporary look. Space-efficient and easy to use, the unique design makes them cool to the touch, meeting or exceeding all American National Standards Institute temperature tests. A top-mounted control compartment allows you to simply flip the switch to "on" and turn to your desired temperature.

Air Exposure Time to UV lamp per pass: 195 milliseconds

Other sizes available. Call for pricing.

BTU								
Part No	Input	Output	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
DV-20E	20,000	16,300	37"	15 3/4"	26"	128	Yes	\$2,265

VENT-FREE ROOM HEATERS

BLUE FLAME HEATERS



The BF-10 produce an inviting atmospheric warmth quickly and efficiently. The BFseries is equipped with a hydraulic thermostat with a constant Btu input.

Parabolic Aluminum Reflector: 2 singal piece Anodized Aluminum mounted at 90 degrees

Power Requirements:208/230 AC (120V on special order) 100 watt, 1.5 amp

Other sizes available. Call for pricing.

Part No	BTU Input	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
BF-10	10000	18"	6 1/2"	22"	27	Hydraulic Thermostat	\$495

RADIANT HEATERS



Features:

Space-saving efficiency and convenient top-mounted controls make the SR series outstanding heaters to add radiant heat to your smaller rooms. Where local codes permit, the SR-6 is ideal for bathrooms.

Options: Remote Installation Kit Available in 230 volts Germicidal Lamp Model C2000G

Warranty: UV Lamp 12,000 Operating Hours.Ballast 3 years. All other parts 5 years.

Other sizes available. Call for pricing.

Part No	BTU Input	Width	Cabinet Depth	Height	Weight	Temperature Control	Price
SR-6	6000	11 7/8"	6 1/2"	22"	18	Manual	\$389

EMPIRE COMFORT SYSTEMS

VENTED ROOM HEATERS

CONSOLE AND VISUAL FLAME VENTED ROOM HEATERS

25,000 TO 65,000 BTU MODELS



Maximum air flow and heating are the strong points of the RH-25 and the RH-35 Console Vented Room Heaters. Delivering atmospheric warmth to your medium-sized rooms, each unit is designed for style and efficiency. The heat can be further enhanced with an optional internal blower for added circulation. Ideal for medium to large rooms, each unit vents with standard vent pipe. Housed in durable, textured cabinetry with a beige color finish, these room heaters will add endless comfort to any room.

- Total Comfort for a Fraction of the Cost of Electric Heat
- Heats Without Electricity
- Draft Diverter Installs to Horizontal or Vertical Position
- Open Design Allows Maximum Flow of Heat
- Matchless Piezo Ignition
- Automatic Blower Included on RH-50B and RH-65B. Optional on RH-25, RH-35, RH-50C and RH-65C Heaters
- Optional Ceramic Logs for Visual Flame Heaters

Other sizes available. Call for pricing.

Part No	BTU Input	Width	Cabinet Depth		Height	Weight	Temperature Control	Depth Including Diverter	Price
RH-25	25,000	37"	11 1/2"		26"	84lb	Yes	18 3/8"	\$1,131



Part No	BTU Input	Color	Width	Cabinet Depth	Height	Shipping Weight, Lbs (One Carton)	Temperature Control	Depth Including Diverter	Price
RH-50B	50,000	Beige	34"	16"	29 9/16"	124lb.	Yes	23 3/16"	\$1,841



Part No	BTU Input	Width	Cabinet Depth	Height	Weight	Temperature Control	Depth Including Diverter	Price
RH-50-C	50,000	34"	16"	29 9/16"	124lb.	Yes	23 3/16"	\$2,240

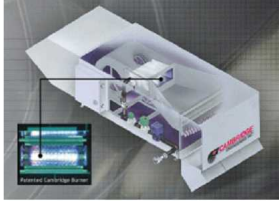
EQUIPMENT

CAMBRIDGE ENGINEERING

INDUSTRIAL SPACE HEATERS

HVAC IS THE MANUFACTURER'S REPRESENTATIVE FOR THIS LINE

CALL FOR QUOTE



Overview

S-Series Blow Thru™ Space Heaters

Cambridge Space Heating Systems are designed to meet a building's heat and air load requirements. Our unique Blow-Thru™ design, with 160°F maximum temperature rise and discharge temperature, delivers more usable heat and thermal comfort with minimal temperature variation throughout the heated space. Genuine Cambridge Space Heaters are 40% to 70% more energy efficient than all other types of indirect and direct gas-fired systems used to heat large commercial and industrial buildings.

BLOW-THRU™ SPACE HEATER

- 200 to 3,400 MBH
- Up to 14,400 CFM
- Natural Gas, LP Gas or Propane Air Burners

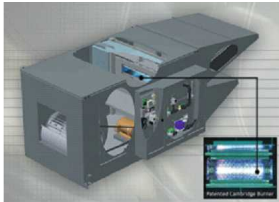
MOST ENERGY EFFICIENT WAY TO HEAT:

- Warehouses
- Distribution Centers
- Manufacturing Plants
- Indoor Sports Facilities
- Boat Storage Buildings
- Auto Dealership Service Bays
- Aircraft Hangars/Service Areas

EQUIPMENT**CAMBRIDGE ENGINEERING****MAKE-UP AIR UNITS**

HVAC IS THE MANUFACTURER'S REPRESENTATIVE FOR THIS LINE

CALL FOR QUOTE

**Overview****M-Series Make-Up Air Heaters**

Cambridge offers a NEW line of competitively priced Make-Up Air Systems with many unique features that provide easier installation, quicker start-up and longer life. The M-Series is designed to provide year round ventilation and tempered make-up air for a wide variety of demanding commercial and industrial applications. It is also available with Variable Frequency Drive (VFD) control to respond to varying air needs in order to reduce operating costs. DX or chilled water coils and evaporative cooling options can also be specified.

DRAW-THRU MAKE-UP AIR HEATER

- Up to 75,000 CFM
- Up to 8,000 MBH Capacity
- Natural Gas, LP Gas or Propane Air Burners

COST EFFECTIVE WAY TO PROVIDE FRESH, TEMPERED MAKE-UP AIR FOR:

- Restaurants and Commercial Kitchens
- Gymnasiums and Indoor Sports Facilities
- Automobile Service and Repair Facilities
- Wastewater and Sewage Treatment Facilities
- Manufacturing and Assembly Plants
- Parking Garages
- Foundries
- Paint Booths

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CAMBRIDGE ENGINEERING

MAKE-UP AIR UNITS

HVAC IS THE MANUFACTURER'S REPRESENTATIVE FOR THIS LINE

CALL FOR QUOTE

Chief Engineer - Steel Service Center

"We are the largest privately held flat-rolled steel service center network in the U.S. I have been specifying and using Cambridge direct gas-fired space heaters for the past 12 years to heat buildings that range from 50,000 to 500,000 sq. ft. I like the high temperature rise, Blow-Thru™ heaters because they seem to dry the air and prevent high humidity problems. In fact we have been replacing our unit heaters and air turnover heating systems with these heaters to save floor space, improve indoor air quality, reduce energy costs and prevent flash rust problems on our steel products."

Executive Director - New England Air Museum

"We used unit heaters and infrared heaters in other sections of our museum. They interfered with aircraft displays and we could not always get the heat where we wanted it. The maintenance of multiple unit heaters and infrared heaters was another problem. High fuel bills were the result of energy loss that escaped up the flue of these indirect gas-fired heaters. A single, energy efficient, thru-the-wall Cambridge space heater eliminated all these problems in our new B-29 bomber exhibit."



Director of Distribution Support - Retail Distribution Center

"Several years ago we built a new facility heated with floor mounted air turnover heaters. The indirect gas-fired system had lots of BTUs and horsepower, but it was not providing heat in all the right places. The mezzanines were over heated and the dock areas were freezing. We replaced it with a new Cambridge system that required 41% less MBH heat input. The electrical load was reduced from 100 horsepower on a continuous basis to 37.5 horsepower on an intermittent basis delivering additional energy savings. The key reasons for switching to Cambridge were, to regain floor space required by the large air turnover units, solve extremely cold dock door conditions and reduce our energy costs. We did all of this and met our pay-back goal in a year and a half."



EQUIPMENT

HVAC DISTRIBUTORS INC

EQUIPMENT

Call or visit one of our 4 locations.

IBOX

THROUGH-THE-WALL AIR CONDITIONERS



• Energy-efficient compressor with internal pressure relief valve • Copper tube/aluminum fin coil • Totally enclosed, permanently lubricated condenser fan motor • Quiet air discharge system for low operating sound • R-22 refrigerant-charged for 15' of refrigerant lines • Factory-installed liquid line filter drier • Brass suction and liquid shut-off valves • Heavy-gauge G-90 galvanized steel cabinet with appliance-quality polyester powder-paint finish with 500-hour salt-spray approval • Attractive Architectural Gray paint finish

Part No	Nominal Cooling Capacity (BTUH)	Voltage	Brkr Size (amps)	Dimensions W x D x H	Service Valve		Weight (lbs)	Price
					Valve Liquid	Valve Suction		
18TWRA	18,000	208/230-1	20	24" x 18-3/4" x 32"	3/8"	3/4"	185	\$2,280
24TWRA	24,000	208/230-1	20	24" x 18-3/4" x 32"	3/8"	3/4"	185	\$2,448
30TWRA	30,000	208/230-1	20	24" x 18-3/4" x 32"	3/8"	3/4"	185	\$2,688
TWRA-LOUVE R-EXT		Architectural		EXTERNAL FLUSH MOUNT LOUVER				\$240
TWRA-LOUVE R-INT		Architectural		INTERNAL SLEEVE MOUNT LOUVER				\$387

EQUIPMENT

FILTERS

DUST FREE

DUST FIGHTER 95



Dust Fighter® 95
The Dust Fighter 95 electrostatic air filter has set the benchmark of quality that all filters strive to meet. Typical fiberglass throwaway filters can trap only 5% of pollutants. And ordinary electrostatic air filters sold through media and discount outlets trap only 80%. The Dust Fighter 95 is the most effective tool for eliminating 95% of common household pollutants which can harm you, your family, and your heating and cooling system

- FEATURES**
- Lifetime Warranty
 - 90 Day Money Back Guarantee
 - Anti-Microbial Media Core
 - Five Layers of Filtration Media
 - Durable Aluminum Frame
 - Pull Tabs
 - Drain Holes
 - 40 Standard Sizes (1" and 2" frames)
 - Custom Sizes Available

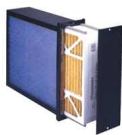
Other sizes available. Call for pricing.

Part No	Size	Peak Arrestance	Average Arrestance	Initial Resistance	Price
95-10201	10x20x1	95.3%	93%	15" at 1200 CFM	\$133
95-12201	12x20x1	95.3%	93%	15" at 1200 CFM	\$128
95-1221.51	12x21-1/2x1	95.3%	93%	15" at 1200 CFM	\$158
95-14201	14x20x1	95.3%	93%	15" at 1200 CFM	\$128
95-14251	14x25x1	95.3%	93%	15" at 1200 CFM	\$128
95-14301	14x30x1	95.3%	93%	15" at 1200 CFM	\$133
95-16201	16x20x1	95.3%	93%	15" at 1200 CFM	\$133
95-1621.51	16x21-1/2x1	95.3%	93%	15" at 1200 CFM	\$158
95-16241	16x24x1	95.3%	93%	15" at 1200 CFM	\$128
95-16251	16x25x1	95.3%	93%	15" at 1200 CFM	\$128
95-20201	20x20x1	95.3%	93%	15" at 1200 CFM	\$128
95-20251	20x25x1	95.3%	93%	15" at 1200 CFM	\$128
95-20301	20x30x1	95.3%	93%	15" at 1200 CFM	\$138
95-21.5221	21-1/2x22x1	95.3%	93%	15" at 1200 CFM	\$158
95-24241	24x24x1	95.3%	93%	15" at 1200 CFM	\$138
95-FT2025	adj up to 20x25	95.3%	93%	15" at 1200 CFM	\$145

PRECISIONAIRE

MODEL 500AB

AIR CLEANER MEDIA



- Important Features**
- Allows better filtration and less maintenance
 - Rugged metal construction
 - Prefilter track for particulate or gas/vapor control
 - Easy and affordable way to upgrade residential filtration

Part No	Size	Price
500AB-Filter	19-5/8x24-1/8x4-3/4	\$34

FILTERS

PRECISIONAIRE

NATURALAIRE STANDARD PLEATED

RING PANEL FILTERS



Flanders Ring Panel and Cube filters are made by heat sealing layers of synthetic filtering media together over an interior, corrosion-resistant steel support frame. An overcut of media outside the seal forms a built-in gasket (selvage) between the wire support frame and holding frame, which secures the filter and prevents air bypass. This special feature allows these filters to be installed without the use of retainer fasteners

Part No	Size	Packaging	Price
055R-12x20	12x20	12 Per ctn	\$7
055R-12x21-1/2	12x21-1/2	12 Per ctn	\$8
055R-14x20	14x20	12 Per ctn	\$8
055R-14x24	14x24	12 Per ctn	\$9
055R-14x25	14x25	12 Per ctn	\$8
055R-15x20	15x20	12 Per ctn	\$6
055R-16x20	16x20	12 Per ctn	\$6
055R-16x21-1/2	16x21-1/2	12 Per ctn	\$8
055R-16x25	16x25	12 Per ctn	\$6
055R-20x20	20x20	12 Per ctn	\$6
055R-24x30	24x30	12 Per ctn	\$10
055R-12x12	12x12	12 Per ctn	\$6

40% PLEATED



Features

- Media maximizing v-pleat design • Expanded metal grid prevents media flutter while in operation • Diagonal and horizontal support members provide frame strength • Filter media pack is sealed to eliminate air bypass • Average ASHRAE efficiency is 25-30% • Average arrestance is 90%-92%

Part No	Size	Packaging	Price
P411020	10X20X1	12 per ctn	\$6
P411220	12X20X1	12 per ctn	\$6
P411420	14X20X1	12 per ctn	\$8
P411425	14X25X1	12 per ctn	\$8
P411520	15X20X1	12 per ctn	\$8
P411620	16X20X1	12 per ctn	\$6
P411625	16X25X1	12 per ctn	\$8
P411825	18X25X1	12 per ctn	\$8
P412020	20X20X1	12 per ctn	\$8
P412024	20X24X1	12 per ctn	\$10
P412025	20X25X1	12 per ctn	\$8
P412030	20X30X1	12 per ctn	\$12
P412424	24X24X1	12 per ctn	\$10

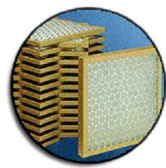
FILTERS

PRECISIONAIRE

NATURALAIRE STANDARD PLEATED

SPUN GLASS

METAL 2 SIDES



Flanders Heavy Duty Two Metal Retainers

- Continuous filament spun glass media - For all applications where a disposable spun glass panel filter is specified
- One-piece moisture-resistant chipboard frame prevents open corners - Corrosion resistant metal grilles on both upstream and downstream sides of the filter - Media and grilles continuously glued to the inside perimeter of the frame for rigidity
- Hot melt resin sealant - UL 900 Class 2 marked - Wide range of standard and special sizes

Part No	Size	Packaging	Price
F11212	12X12X1	12 per ctn	\$4
F11414	14X14X1	12 per ctn	\$4
F11420	14X20X1	12 per ctn	\$2
F11424	14X24X1	12 per ctn	\$4
F11425	14X25X1	12 per ctn	\$2
F11430	14X30X1	12 per ctn	\$4
F11520	15X20X1	12 per ctn	\$2
F11620	16X20X1	12 per ctn	\$2
F11624	16X24X1	12 per ctn	\$4
F11625	16X25X1	12 per ctn	\$2
F11820	18X20X1	12 per ctn	\$4
F11825	18X25X1	12 per ctn	\$4
F12020	20X20X1	12 per ctn	\$2
F12024	20X24X1	12 per ctn	\$4
F12025	20X25X1	12 per ctn	\$2
F12030	20X30X1	12 per ctn	\$4
F12222	22X22X1	12 per ctn	\$4
F12424	24X24X1	12 per ctn	\$4
F12430	24X30X1	12 per ctn	\$4

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GEOTHERMAL EQUIPMENT

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GENESIS

SINGLE-STAGE - R22



Residential Genesis Packaged Series

Genesis geothermal units are the latest in heating and cooling technology. Developed by the leading experts of the geothermal industry and produced by the world's largest manufacturer of water source heat pumps. The Genesis product line is the most advanced geothermal technology available today. It is designed with the installer in mind to improve reliability and reduce installed costs. The availability of unit sizes, configurations, and applications make the Genesis line the perfect match for nearly every installation.

Dimensions(inch):015-018: 22.4 x 25.6 x 40.6 **024-030:** 22.4 x 25.6 x 44.6 **036:** 22.4 x 25.6 x 48.6 **042-048:** 25.4 x 30.6 x 50.6 **060:** 25.4 x 30.6 x 54.6 **070:** 25.4 x 30.6 x 58.6

Part No	Config	Heat Exch	Hot Wtr Generator	Blower Mtr	Price
GSH015BGC00ALBS	Horiz	Copper	no	PSC	\$5,458
GSH018BGC00ALBS	Horiz	Copper	no	PSC	\$5,633
GSH024AGC00ALBS	Horiz	Copper	no	PSC	\$5,983
GSH030AGC00ALBS	Horiz	Copper	no	PSC	\$6,155
GSH036AGC00ALBS	Horiz	Copper	no	PSC	\$6,575
GSH042AGC00ALBS	Horiz	Copper	no	PSC	\$7,283
GSH048AGC00ALBS	Horiz	Copper	no	PSC	\$7,458
GSH060AGC00ALBS	Horiz	Copper	no	PSC	\$8,428
GSH070AGC00ALBS	Horiz	Copper	no	PSC	\$8,960
GSV015BGC00ALDS	Vertical	Copper	no	PSC	\$5,458
GSV018BGC00ALDS	Vertical	Copper	no	PSC	\$5,633
GSV024AGC00ALDS	Vertical	Copper	no	PSC	\$5,983
GSV030AGC00ALDS	Vertical	Copper	no	PSC	\$6,155
GSV036AGC00ALDS	Vertical	Copper	no	PSC	\$6,575
GSV042AGC00ALDS	Vertical	Copper	no	PSC	\$7,283
GSV048AGC00ALDS	Vertical	Copper	no	PSC	\$7,458
GSV060AGC00ALDS	Vertical	Copper	no	PSC	\$8,428
GSV070AGC00ALDS	Vertical	Copper	no	PSC	\$8,960

GEOTHERMAL EQUIPMENT

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GENESIS

SINGLE-STAGE - R22

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Genesis Ratings - PSC Motor								
Model	Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
	Btu	EER	Btu	COP	Btu	EER	Btu	EER
GSH015	15,600	23.9	12,900	4.1	14,900	18.5	11,200	3.8
GSH018	19,000	22.7	16,000	4.1	18,300	16.7	13,200	3.6
GSH024	26,500	21.2	23,500	4	26,000	17.1	19,200	3.6
GSH030	31,100	21.4	27,200	4	30,700	16.9	22,200	3.6
GSH036	36,000	20.7	32,900	4	35,000	16.4	26,700	3.4
GSH042	45,400	20.3	39,000	4	43,300	16	32,700	3.7
GSH048	49,000	19.9	43,300	4	48,900	16.4	36,900	3.7
GSH060	59,600	17.7	58,900	3.8	59,400	14.6	48,700	3.6
GSH070	70,000	16.8	62,900	3.8	67,100	13.4	53,400	3.6
Cooling capacities based upon 80.6F DB, 66.2F WB entering air temp								
Heating capacities based upon 68F DB, 59F WB entering air temp								

TRANQUILITY 20
SINGLE-STAGE - R410A



Residential Tranquility 20™ Single Stage Packaged Series

The opposite of anxiety... is Tranquility 20™. Homeowners just like you are growing more anxious every day as energy prices fluctuate wildly. Even worse, no permanent relief is in sight. What can you do to protect your family from this costly trend? Reduce your consumption of energy. You can improve your home's "energy efficiency" with improved appliances, more insulation, and newer or fewer windows... but, did you know that over 50% of your utility costs come from heating, cooling, and water heating? Now, that's something you can control... it's called the Tranquility 20™ geothermal system from ClimateMaster. Using EarthPure® Ozone Safe Refrigerant*, the Tranquility 20™ is a breakthrough in efficiency - providing you with the greatest energy savings of any single stage space conditioning system and unprecedented environmental protection at the same time. The Tranquility 20™ is so sophisticated it automatically adjusts itself to provide the optimum, consistent indoor air temperatures regardless of the weather extremes. Advanced scroll compressor technology and microprocessor controls allow the Tranquility 20™ to operate at the most efficient level for all weather conditions. The Tranquility 20™ has the industry's highest single stage efficiency ratings. Optional variable speed (ECM) fan design allows the Tranquility 20™ to "match" performance to meet all weather conditions:

The energy-efficiency criteria for geothermal heat pumps to qualify for the Energy Star program requires an EER rating of 14.1 (closed loop systems) or 16.2 (open loop system). The Tranquility 20™ has a EER rating of 20 - showing that not all Energy Star qualified systems are equal.

Tranquility 20™. The most energy efficient single stage space conditioning system available from any manufacturer, anywhere on the planet.

Dimensions(inch):018: 22.4 x 25.6 x 44.6 **024-030:** 22.4 x 25.6 x 48.6 **036:** 25.4 x 30.6 x 50.6 **042-048:** 25.4 x 30.6 x 54.6 **060-070:** 25.4 x 30.6 x 58.6

Part No	Config	Heat Exch	Hot Wtr Generator	Blower Mtr	Price
TSD018AGC00ALDS	Downflow	Copper	no	PSC	\$5,913
TSD024AGC00ALDS	Downflow	Copper	no	PSC	\$6,455
TSD030AGC00ALDS	Downflow	Copper	no	PSC	\$6,713
TSD036AGC00ALDS	Downflow	Copper	no	PSC	\$7,133
TSD042AGC00ALDS	Downflow	Copper	no	PSC	\$8,400
TSD048AGC00ALDS	Downflow	Copper	no	PSC	\$8,563
TSD060AGC00ALDS	Downflow	Copper	no	PSC	\$9,628
TSD070AGC00ALDS	Downflow	Copper	no	PSC	\$10,118
TSH018AGC00ALBS	Horiz	Copper	no	PSC	\$5,913
TSH024AGC00ALBS	Horiz	Copper	no	PSC	\$6,455
TSH030AGC00ALBS	Horiz	Copper	no	PSC	\$6,713
TSH036AGC00ALBS	Horiz	Copper	no	PSC	\$7,133
TSH042AGC00ALBS	Horiz	Copper	no	PSC	\$8,400
TSH048AGC00ALBS	Horiz	Copper	no	PSC	\$8,563
TSH060AGC00ALBS	Horiz	Copper	no	PSC	\$9,628
TSH070AGC00ALBS	Horiz	Copper	no	PSC	\$10,118

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TRANQUILITY 20

SINGLE-STAGE - R410A

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Part No	Config	Heat Exch	Hot Wtr Generator	Blower Mtr	Price
TSV018AGC00ALKS	Vertical	Copper	no	PSC	\$6,785
TSV024AGC00ALKS	Vertical	Copper	no	PSC	\$7,328
TSV030AGC00ALKS	Vertical	Copper	no	PSC	\$7,585
TSV036AGC00ALKS	Vertical	Copper	no	PSC	\$8,005
TSV042AGC00ALKS	Vertical	Copper	no	PSC	\$9,273
TSV048AGC00ALKS	Vertical	Copper	no	PSC	\$9,610
TSV060AGC00ALKS	Vertical	Copper	no	PSC	\$10,678
TSV070AGC00ALKS	Vertical	Copper	no	PSC	\$11,168

Tranquility 20 Ratings - PSC Motor								
Model	Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
	Btu	EER	Btu	COP	Btu	EER	Btu	EER
18	20,200	26.7	17,400	4.6	18,300	19	13,400	3.7
24	28,600	25.7	25,000	4.3	26,300	19.1	19,000	3.7
30	31,700	22.9	29,400	4.4	29,400	17.6	23,600	3.8
36	37,300	25.1	32,900	4.8	34,500	19.2	25,700	3.9
42	42,900	24.3	40,100	4.6	39,300	19.4	31,600	3.8
48	53,900	23.3	49,000	4.4	49,900	17.6	39,000	3.7
60	67,000	23.2	58,700	4.5	63,300	18.2	46,500	3.7
70	77,100	21.6	69,400	4.3	70,800	16.6	54,000	3.6
	Cooling capacities based upon 80.6F DB, 66.2F WB entering air temp							
	Heating capacities based upon 68F DB, 59F WB entering air temp							

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TRANQUILITY 27
TWO-STAGE - R410A



Residential Tranquility 27™ Two Stage Packaged Series

The opposite of anxiety... is Tranquility 27™. Homeowners just like you are growing more anxious every day as energy prices fluctuate wildly. Even worse, no permanent relief is in sight.

What can you do to protect your family from this costly trend? Reduce your consumption of energy. You can improve your home's "energy efficiency" with improved appliances, more insulation, and newer or fewer windows... but, did you know that over 50% of your utility costs come from heating, cooling, and water heating? Now, that's something you can control... it's called the Tranquility 27™ geothermal system from ClimateMaster.

Using EarthPure® Ozone Safe Refrigerant*, the Tranquility 27™ is a breakthrough in efficiency - providing you with the greatest energy savings of any space conditioning system and unprecedented environmental protection at the same time.

The Tranquility 27™ is so sophisticated it automatically adjusts itself to provide the optimum, consistent indoor air temperatures regardless of the weather extremes.

Advanced Two-Stage Technology allows the Tranquility 27™ to operate at the most efficient level for all weather conditions. The Tranquility 27™ has the industry's highest efficiency ratings.

Advanced two-stage design allows the Tranquility 27™ to "match" performance to meet all weather conditions:

Ninety percent of the year the Tranquility 27™ runs on low stage. The second stage kicks in automatically only when needed in the hottest and coldest months of the year. Using an electronic variable-speed fan motor, the Tranquility 27™ assures you of high comfort, maximum efficiency, superior year-round dehumidification, and low utility bills.

The energy-efficiency criteria for geothermal heat pumps to qualify for the Energy Star program requires an EER rating of 14.1 (closed loop systems) or 16.2 (open loop system). The Tranquility 27™ has a EER rating of 27 - showing that not all Energy Star qualified systems are equal.

Tranquility 27™. The most energy efficient space conditioning system available from any manufacturer, anywhere on the planet.

Dimensions(inch):026: 22.4 x 25.6 x 48.5 **038:** 25.4 x 30.6 x 50.5 **049:** 25.4 x 30.6 x 54.5 **064:** 25.4 x 30.6 x 58.5

Part No	Config	Heat Exch	Hot Wtr Generator	Blower Mtr	Price
TTD026AGC00ALNS	Downflow	Copper	no	PSC	\$8,080
TTD038AGC00ALNS	Downflow	Copper	no	PSC	\$9,013
TTD049AGC00ALNS	Downflow	Copper	no	PSC	\$10,033
TTD064AGC00ALNS	Downflow	Copper	no	PSC	\$11,163

GEO THERMAL EQUIPMENT

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TRANQUILITY 27

TWO-STAGE - R410A

GEO THERMAL EQUIPMENT

Part No	Config	Heat Exch	Hot Wtr Generator	Blower Mtr	Price
TTH026AGC00ALPS	Horiz	Copper	no	PSC	\$8,080
TTH038AGC00ALPS	Horiz	Copper	no	PSC	\$9,013
TTH049AGC00ALPS	Horiz	Copper	no	PSC	\$10,033
TTH064AGC00ALPS	Horiz	Copper	no	PSC	\$11,163
TTV026AGC00ALKS	Vertical	Copper	no	PSC	\$8,080
TTV038AGC00ALKS	Vertical	Copper	no	PSC	\$9,013
TTV049AGC00ALKS	Vertical	Copper	no	PSC	\$10,033
TTV064AGC00ALKS	Vertical	Copper	no	PSC	\$11,163

Tranquility 27 Ratings

		Ground Water Heat Pump				Ground Loop Heat Pump			
Model	Load	Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
		Btu	EER	Btu	COP	Btu	EER	Btu	EER
26	full	28,900	24.5	25,700	4.8	28,600	18.5	19,800	4
26	part	22,200	30.8	18,600	5.1	21,300	26	16,500	4.6
38	full	41,200	23	36,700	4.7	38,200	18.2	29,000	4
38	part	30,200	31.5	24,800	5.1	28,900	27	22,100	4.5
49	full	54,600	22.5	48,300	4.7	50,600	17.9	37,500	4
49	part	40,700	28.7	35,400	5.1	39,600	24.9	31,200	4.6
64	full	68,600	22	59,600	4.4	64,800	17.5	48,000	3.9
64	part	51,900	29.7	41,800	4.7	49,800	25.3	37,500	4.3
Cooling capacities based upon 80.6F DB, 66.2F WB entering air temp									
Heating capacities based upon 68F DB, 59F WB entering air temp									

PACKAGED UNIT ACCESSORIES

AUXILIARY HEATERS

Part No	Desc	Used with	Price
AGL10A	10 KW	(GS)42-72 (TS,TT)36,38,42-70	\$450
AGL15A	15 KW	(GS)42-72 (TS,TT)36,38,42-70	\$645
AGL20A	20 KW	(GS)42-72 (TS,TT)42-70	\$705
AGM10A	10 KW	(GS)24,30,36 (TS,TT)24,30	\$433
AGM12A	12 KW	(GS)30,36 (TS,TT)24,30	\$608
AGM5A	5 KW	(GS)15,18,24,30,36 (TS,TT)18,24,30	\$365
AGM8A	8 KW	(GS)24,30,36 (TS,TT)24,30	\$413

PUMP SLAVING MODULE

Part No	Desc	Price
APSM	allows a sngl flow controller to be controlled by 2 different units	\$113

THERMOSTATS

Part No	Desc	Heat/Cool	Used with	Price
AST008	Outdoor temp sensor	n/a	ATA32U01,ATP32U01,ATP32U02	\$78
ATA21U01	ACO or MCO Digital	2/1	units w/PSC fan mtr or units w/ECM mtr & no elec heat	\$140
ATA32U01	ACO Digital	3/2	units w/ECM mtr	\$405
ATP32U01	ACO programmable Digital	3/2	units w/ECM mtr	\$413
ATP32U02	ACO programmable Digital	3/2	units w/Climadry or dehumid mode for ECM mtr	\$488

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PACKAGED UNIT ACCESSORIES

WATER TANK FITTING

Part No	Desc	Use with	Price
S69619804	concentric ftg for wtr htr	optional, HWG may be piped w/out this	\$120

GENESIS

SPLIT-SYSTEM - R22



Residential Genesis Split Series

The Genesis Split Geothermal Heat Pump can be connected to your existing furnace or installed with a new Air Handler from your ClimateMaster dealer. Easily connected to fossil fuel furnaces, the Genesis Split is ideal for "add-on" installation, providing you with the maximum in convenience and comfort at a reduced installed cost. Use the Luxaire AHP air handler with this unit.

Part No	Config	Heat Exch	Hot Wtr Generator	Price
GSS018BGC00CNNS	Split	Copper	no	\$3,883
GSS024BGC00CNNS	Split	Copper	no	\$4,408
GSS030BGC00CNNS	Split	Copper	no	\$4,583
GSS036BGC00CNNS	Split	Copper	no	\$4,810
GSS042BGC00CNNS	Split	Copper	no	\$4,985
GSS048BGC00CNNS	Split	Copper	no	\$5,160
GSS060BGC00CNNS	Split	Copper	no	\$6,108

Genesis Indoor & Outdoor Split Ratings								
Model	Ground Water Heat Pump				Ground Loop Heat Pump			
	Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
	Btu	EER	Btu	COP	Btu	EER	Btu	EER
18	18,500	22.1	15,500	4	17,800	16.2	12,800	3.5
24	25,700	20.6	22,800	3.9	25,200	16.6	18,600	3.5
30	30,200	20.8	26,400	3.9	29,800	16.4	21,500	3.5
36	34,900	20.1	31,900	3.9	34,700	15.9	25,900	3.3
42	44,100	19.7	37,800	3.9	42,000	15.5	31,700	3.6
48	47,500	19.3	42,000	3.9	47,400	15.9	35,800	3.6
60	57,800	17.2	57,100	3.7	57,600	14.2	47,200	3.5
Cooling capacities based upon 80.6F DB, 66.2F WB entering air temp								
Heating capacities based upon 68F DB, 59F WB entering air temp								

GEOTHERMAL EQUIPMENT

GEO THERMAL EQUIPMENT

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TRANQUILITY 27

TWO-STAGE SPLIT-SYSTEM - R410A



Tranquility 27™ Split Series

The opposite of anxiety... is Tranquility™. Homeowners just like you are growing more anxious every day as energy prices fluctuate wildly. Even worse, no permanent relief is in sight.

What can you do to protect your family from this costly trend? Reduce your consumption of energy. You can improve your home's "energy efficiency" with improved appliances, more insulation, and newer or fewer windows... but, did you know that over 50% of your utility costs come from heating, cooling, and water heating? Now, that's something you can control... it's called the Tranquility 27™ geothermal split system from ClimateMaster. Using EarthPure® Ozone Safe Refrigerant*, the Tranquility 27™ Split is a breakthrough in efficiency - providing you with the greatest energy savings of any space conditioning system and unprecedented environmental protection at the same time. The Tranquility 27™ Split can be connected to your existing furnace or installed with a new Air Handler from your ClimateMaster dealer. Use the Luxaire AVL air handler with this unit.

Part No	Config	Heat Exch	Hot Wtr Generator	Price
TTS026AGC00CNNS	Split	Copper	no	\$5,125
TTS038AGC00CNNS	Split	Copper	no	\$5,990
TTS049AGC00CNNS	Split	Copper	no	\$6,635
TTS064AGC00CNNS	Split	Copper	no	\$7,195

Tranquility 27 Split Ratings

		Ground Water Heat Pump				Ground Loop Heat Pump			
		Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
Model	Load	Btu	EER	Btu	COP	Btu	EER	Btu	EER
26	full	28,600	23.2	25,600	4.7	26,400	18	19,500	3.9
26	part	22,000	29.4	19,200	4.6	20,800	24.5	16,600	4.1
38	full	40,100	21.4	35,900	4.5	37,300	16.7	27,000	3.8
38	part	28,000	27.1	24,400	4.6	27,100	23.7	21,400	4.1
49	full	53,900	20.9	47,700	4.6	50,200	16.6	37,200	4
49	part	38,700	26.8	33,800	4.7	37,000	22.8	29,900	4.2
64	full	63,800	19.2	58,800	4.3	59,500	15.3	45,700	3.6
64	part	46,000	25.7	42,300	4.4	44,800	22.2	37,500	4
Cooling capacities based upon 80.6F DB, 66.2F WB entering air temp									
Heating capacities based upon 68F DB, 59F WB entering air temp									

SPLIT-SYSTEM ACCESORIES

FLOW CONTROL ADAPTER

Part No	Desc	Type	Price
90B0001N02	Transition fittings for field use	1" MPT x 1.25" swivel	\$93

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SPLIT-SYSTEM ACCESORIES
REMOTE MOUNT HWG

Part No	Desc	Price
ARMDK2	Desuperheater coil & pump	\$900
S69619804	Optional concentric ftg for HWG	\$120

THERMOSTATS

Part No	Desc	Heat/Co ol	Used with	Price
AST008	Outdoor temp sensor	n/a	ATA32U01 & ATP32U01	\$78
ATA21U01	ACO or MCO digital	2/1	single-stage units	\$140
ATA32U01	ACO digital	3/2	2-stage split units	\$405
ATP32U01	ACO programmable digital	3/2	all split units	\$413

TXV KITS

Part No	Desc	Used on	Price
ATXVPIA101	Indoor TXV kit	018,024	\$138
ATXVPIA102	Indoor TXV kit	030,036	\$138
ATXVPIA103	Indoor TXV kit	042	\$138
ATXVPIA104	Indoor TXV kit	048,060	\$138

GEOHERMAL EQUIPMENT

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GENESIS

WATER TO WATER - R22



Water-to-Water Series (GSW)

The GSW Water-to-Water Series offers high efficiency with advanced features, extremely quiet operation and application flexibility at competitive prices. As ClimateMaster's most adaptable R-22 refrigerant units, the GSW Series can be used for radiant floor heating, snow/ice melt, chilled water for fan coils, industrial process control, potable hot water generation, hot/chilled water for make-up air, and many other types of HVAC and industrial applications.

Available in sizes 3 ton (10.6 kW), 5 ton (17.6 kW) and 10 ton (29.3 kW) the GSW Series offers a wide range of units for most any installation. The GSW has an extended range refrigerant circuit, capable of ground loop (geothermal) applications as well as water loop (boiler-tower) applications. Standard features are many. Microprocessor controls, G90 galvanized steel cabinet, epoxy powder coat paint and TXV refrigerant metering device are just some of the features of the flexible GSW Series.

ClimateMaster's exclusive double isolation compressor mounting system makes the GSW Series the quietest water-to-water unit on the market. Compressors are mounted on vibration isolation springs to a heavy gauge mounting plate, which is then isolated from the cabinet base with rubber grommets for maximized vibration/sound attenuation. Options such as double-wall load heat exchanger (for potable hot water generation) and DDC controls allow customized design solutions.

The GSW Series water-to-water heat pumps are designed to meet the challenges of today's HVAC demands with a high efficiency, high value solution.

Part No	Config	Heat Exch	Hot Wtr Generator	Price
GSW036AGC01CFCS	Water-Water	Copper	yes	\$4,313
GSW060AGC01CFCS	Water-Water	Copper	yes	\$6,700
GSW120AGC01CFCS	Water-Water	Copper	yes	\$11,028

Genesis Water to Water Ratings								
Ground Water Heat Pump					Ground Loop Heat Pump			
Model	Cooling 59 deg F		Heating 50 deg F		Cooling 77 deg F		Heating 32 deg F	
	Btu	EER	Btu	COP	Btu	EER	Btu	EER
36	31,200	20.6	33,400	4	29,800	16.2	27,200	3.3
60	49,200	17.5	53,000	3.5	46,100	13.6	40,900	2.9
120	98,100	16.9	106,200	3.5	91,800	13.2	82,000	2.8

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BLOWER MOTOR UPGRADE KITS

GENESIS PSC TO ECM2

Part No	Size	Contents	Price
EUKGS024	024	ECM mtr, elec kit, belly band	\$1,055
EUKGS030	030	ECM mtr, elec kit, belly band	\$1,055
EUKGS036	036	ECM mtr, elec kit, belly band	\$1,055
EUKGS042	042	ECM mtr, elec kit, belly band,blwr housing	\$1,348
EUKGS048	048	ECM mtr, elec kit, belly band,blwr housing	\$1,513
EUKGS060	060	ECM mtr, elec kit	\$1,763
EUKGS070	070	ECM mtr, elec kit	\$1,193

TRANQUILITY 20 PSC TO ECM2

Part No	Size	Contents	Price
EUKTS018	018	ECM mtr, elec kit,belly band, blwr housing	\$1,055
EUKTS024	024	ECM mtr, elec kit,belly band	\$1,055
EUKTS030	030	ECM mtr, elec kit,belly band	\$1,055
EUKTS036	036	ECM mtr, elec kit,belly band,blwr housing	\$1,348
EUKTS042	042	ECM mtr, elec kit,belly band,blwr housing	\$1,348
EUKTS048	048	ECM mtr, elec kit,belly band,blwr housing	\$1,513
EUKTS060	060	ECM mtr, elec kit	\$1,763
EUKTS070	070	ECM mtr, elec kit	\$1,193

CLOSED LOOP ACCESSORIES

ADAPTER FOR OUTDOOR SPLIT LOOP CONNECTION (2 REQUIRED)

Part No	Type	Size	Price
90B0001N02	Transition	Brass 1.00" MPT x 1.25" swivel	\$93

DOUBLE O-RING ADAPTOR FITTINGS (SET OF 2)

Part No	Type	Size	Price
AFC4C	Cam	1.00" Cam lever - for flush connections	\$60
AFC4I	Insert	1.00" Brass barb insert	\$163
AFC4T	Thread	1.00" MPT Brass thread	\$135
AFC5F	Fusion	1.00" PE socket fusion	\$45
AFC6F	Fusion	1.25" PE socket fusion	\$45
AFC6I	Insert	1.25" Brass barb insert	\$130

FLOW CONTROLLER - HOSE KITS & FITTINGS

Part No	Type	Contents	Price
AHK5EC	Hose Kit	10ft of 1 inch rubber hose & fittings	\$235
ARH510	additional hose	10ft of 1 inch rubber hose	\$105
ARH550	additional hose	50ft of 1 inch rubber hose	\$323

FLOW CONTROLLERS

Part No	Desc	Pump (qty)	Price
AFCG1B1	Brass 3 way valves	1 Grundfos UP26-99	\$1,465
AFCG1C1	Composite 3 way valves	1 Grundfos UP26-99	\$1,138
AFCG2B1	Brass 3 way valves	2 Grundfos UP26-99	\$1,930
AFCG2B2	Brass 3 way valves	2 Grundfos UP26-116	\$1,930
AFCG2C1	Composite 3 way valves	2 Grundfos UP26-99	\$1,540

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OPEN LOOP ACCESSORIES

FLOW REGULATORS (SPECIFY GPM)

Part No	Desc	When ordering	Price
AFRV-CUSTOM	2GPM - 10GPM ARE BRASS 3/4 X 3/4 fpt	specify gpm Ex: 6gpm = AFR6	Call for Price

PRESSURE/TEMPERATURE PORTS

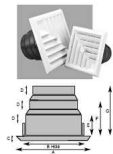
Part No	Desc	Price
70022002	Brass 0.25" MPT	\$25
70022003	Brass 0.50" MPT	\$48

SOLENOID & MOTORIZED VALVES

Part No	Desc	Price
AVMB4	0.75" FPT, 24VAC solenoid valve,Brass w/end switch safety cntrls	\$318
AVMB5	1" SWT, 24VAC motorized valve,Brass w/end switch safety cntrls	\$358
AVMB-PH	Powerhead	\$270
AVSP5	1.00" FPT, 24VAC solenoid valve, Plastic	\$103

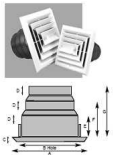
AIRTEC PRODUCTS

2 WAY ASSEMBLY



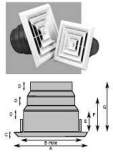
Part No.	Description	Size	Cart Qty	Price
MV2	2 Way Assembly	8 x 8	4	\$40

3 WAY ASSEMBLY



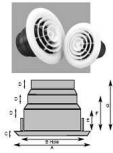
Part No.	Description	Size	Cart Qty	Price
MV3	3 Way Assembly	8 x 8	4	\$40

4 WAY ASSEMBLY



Part No.	Description	Size	Cart Qty	Price
MV4	4 Way Assembly	8 x 8	4	\$40

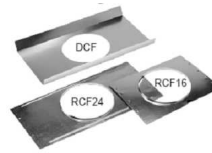
ROUND ASSEMBLY



Part No.	Description	Size	Cart Qty	Price
MV360	Round Assembly	8 x 8	4	\$40

ACCESSORIES

FLANGES

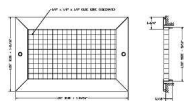


Part No.	Description	Length	Width	Height	Hole	Cart Qty	Price
RCF16	Rough in Flange 16" O/C	16	12	3/8	9 1/4	50	\$5
RCF24	Rough in Flange 24" O/C	23 5/8	12	3/8	9 1/4	25	\$8
DCF	Drop Ceiling Flange	23 5/8	12	2	9 1/4	25	\$8

GRILLES & REGISTERS

DAYUS COMMERCIAL REGISTERS

CUBE CORE

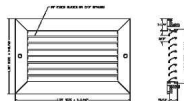


Similar to Hart & Cooley RE5 series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Damper	Available Finishes	Core Type	Price
DARE5	Cube Core Grille	n/a	White, Silver, Mill	1/2" x 1/2" x 1/2"	Call for price
DARE5D	Cube Core Register	OBD	White, Silver, Mill	1/2" x 1/2" x 1/2"	Call for price

RETURN

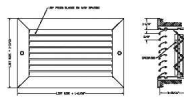
AIR GRILLES



Similar to Hart & Cooley 94A series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Blades		Damper	Available Finishes	Price
		Front	Rear			
DARH	Return Grille, 30° Fixed Blades 2/3" Spacing	Horizontal Fixed 30°	n/a	n/a	White, Silver, Mill	Call for price

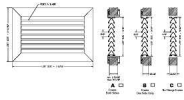
AIR REGISTER



Similar to Hart & Cooley 94AHOV series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Blades		Damper	Available Finishes	Price
		Front	Rear			
DARHD	Return Register, 30° Fixed Blades 2/3" Spacing	Horizontal Fixed 30°	n/a	OBD	White, Silver, Mill	Call for price

NON-VISION DOOR GRILLES

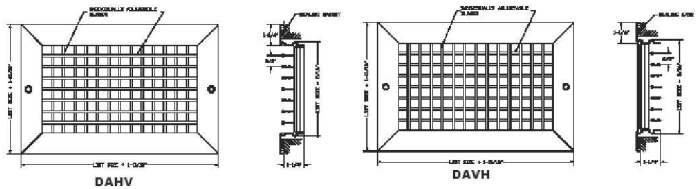


Similar to Hart & Cooley TG series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Damper	Available Finishes	Price
DANV	Non Vision Door Grille, Fixed V-Blades 2/3" Spacing	OBD	White, Silver, Mill	Call for price

SUPPLY

DOUBLE DEFLECTION SUPPLY GRILLES



Similar to Hart & Cooley HV and VH series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Blades Front	Blades Rear	Damper	Available Finishes	Price
DAHV	Supply Grille, Double Deflection Adjustable	Horizontal	Vertical	n/a	White, Silver, Mill	Call for price
DAVH	Supply Grille, Double Deflection Adjustable	Vertical	Horizontal	n/a	White, Silver, Mill	Call for price

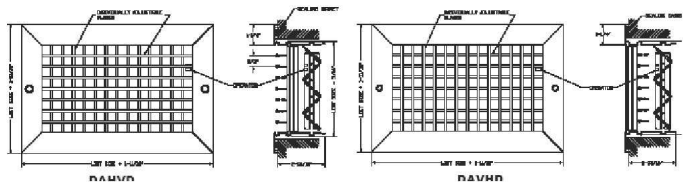
GRILLES & REGISTERS

DAYUS COMMERCIAL REGISTERS

SUPPLY

DOUBLE DEFLECTION SUPPLY GRILLES

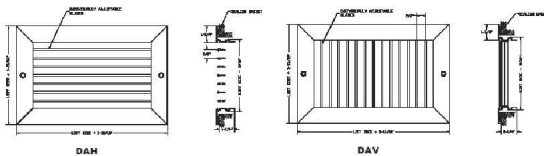
DOUBLE DEFLECTION SUPPLY REGISTERS



Similar to Hart & Cooley HVD and VHD series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Color	Blades Front	Blades Rear	Damper	Price
DAHVD	Supply Register, Double Deflection Adjustable	White, Silver, Mill	Horizontal	Vertical	OBD	Call for price
DAVHD	Supply Register, Double Deflection Adjustable	White, Silver, Mill	Vertical	Horizontal	OBD	Call for price

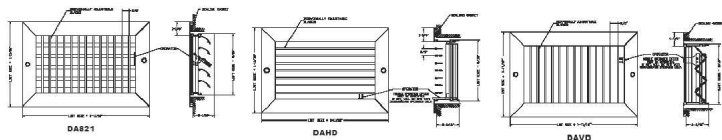
SINGLE DEFLECTION SUPPLY GRILLES



Similar to Hart & Cooley HX and VX series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Blades Front	Blades Rear	Damper	Available Finishes	Price
DAH	Supply Grille, Single Deflection Adjustable	Horizontal	n/a	n/a	White, Silver, Mill	Call for price
DAV	Supply Grille, Single Deflection Adjustable	Vertical	n/a	n/a	White, Silver, Mill	Call for price

SINGLE DEFLECTION SUPPLY REGISTERS



Similar to Hart & Cooley 821, HD, and VD series. Available in 3 day quick-ship. Numerous sizes available. Call for price.

Part No	Description	Blades Front	Blades Rear	Damper	Available Finishes	Price
DA821	Supply Register, Single Deflection Adjustable	Vertical	n/a	MS	White, Silver, Mill	Call for price
DAHD	Supply Register, Single Deflection Adjustable	Horizontal	n/a	OBD	White, Silver, Mill	Call for price
DAVD	Supply Register, Single Deflection Adjustable	Vertical	n/a	OBD	White, Silver, Mill	Call for price

GRILLES & REGISTERS

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BASEBOARD DIFFUSER



• All-steel construction • 406 blankets wall or window area • Golden Sand or Bright White enamel finish

Part No	Size	Height	Free Area SqInches	Overall Length	Base Projection	Color	Price
406-15-W	15"	4	32	15	3	White	\$20
406-18-GS	18"	4	32	15	3	Golden Sand	\$23
406-18-W	18"	4	32	15	3	White	\$15
407-W	18"	4-1/2	38	18	2-13/16	White	\$18

BASEBOARD REGISTERS & GRILLES

462 BASEBOARD DIFFUSER



• All-steel construction • Equal air distribution over the length of the diffuser • Two-foot length • Face can be easily removed • Airfoil valves reduce resistance • Golden Sand or Bright White enamel finish

Part No	Size	Free Area Sq Inches	Overall Length	Height	Base Projection	Color	Price
462-W	2 ft.	27	24	4-1/2	2-23/32	White	\$40

464 BASEBOARD DIFFUSER



• All-steel construction • Dual valves • Four-foot length • Face can be easily removed • Airfoil valves reduce resistance • Golden Sand or Bright White enamel finish • Equal air distribution over the length of the diffuser

Part No	Size	Free Area Sq Inches	Overall Length	Height	Base Projection	Price
464-W	4 ft.	54	48	4-1/2	2-23/32	\$75

472 MATCHING RETURN AIR GRILLE



• All-steel construction • Airfoil valves reduce resistance • Two-foot length • Face can be easily removed • Airfoil valves reduce resistance • Golden Sand or Bright White enamel finish

Part No	Size	Free Area Sq Inches	Overall Length	Height	Base Projection	Price
472-W	2 ft.	42	24	4-1/2	2-23/32	\$40

474 MATCHING RETURN AIR GRILLE



• All-steel construction • Dual valves • Four-foot length • Face can be easily removed • Airfoil valves reduce resistance • Golden Sand or Bright White enamel finish • Equal air distribution over the length of the diffuser

Part No	Size	Free Area Sq Inches	Overall Length	Height	Base Projection	Price
474-W	4 ft.	84	48	4-1/2	2-23/32	\$70

BASEBOARD RETURN AIR GRILLE



• E-piece steel construction • 1/3" spaced fins set at 20 degrees • 7/8" margin turn back • Exceptional free area • Install with fins upward or downward for best duct concealment • Complementary return air grille for Model 654 or 664 supply • Golden Sand or Bright White enamel finish

Part No	Size	Price
657-14x6	14 x 6	\$13
657-30x6	30 x 6	\$23

GRILLES & REGISTERS

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BASEBOARD REGISTERS & GRILLES

BASEBOARD REGISTER



- All-steel construction • 1/3" spaced fins set at 20 degrees • 7/8" margin turnback • 1-5/8" depth when fully opened • Exceptional free area • Ideal for shallow duct installations • Multi-shutter valve • Bright White enamel finish

Part No	Size	Price
664-10x6-W	10 x 6	\$25
664-12x6-W	12 x 6	\$28
664-12x8-W	12 x 8	\$40
664-14x6-W	14 x 6	\$30

A500 SERIES CEILING DIFFUSER



- All-aluminum face construction • Cores flush with margin • One-way air diffusion • Face mount for easy installation • For sidewall or ceiling application • Multi-shutter or opposed blade dampers • Inconspicuous fingertip lever for air volume control • Bright White finish • T-Bar Panel available

Part No	Size	Price
A501MS-10x10	10 x 10	\$70
A501MS-12x12	12 x 12	\$88
A501MS-14x14	14 x 14	\$113
A501MS-6x6	6 x 6	\$48
A501MS-8x8	8 x 8	\$53



- All-aluminum face construction • Cores flush with margin • Two-way air diffusion • Face mounts for easy installation • For sidewall or ceiling application • Multi-shutter or opposed blade dampers • Inconspicuous fingertip lever for air volume control • Bright White finish • T-Bar Panel available

Part No	Size	Price
A502MS-10x10	10 x 10	\$73
A502MS-12x12	12 x 12	\$88
A502MS-14x14	14 x 14	\$113
A502MS-6x6	6 x 6	\$48
A502MS-8x8	8 x 8	\$53



- All-aluminum face construction • Cores flush with margin • Three-way air diffusion • Face mount for easy installation • For sidewall or ceiling application • Multi-shutter or opposed blade dampers • Inconspicuous fingertip lever for air volume control • Bright White finish • T-Bar Panel available

Part No	Size	Price
A503MS-10x10	10 x 10	\$70
A503MS-12x12	12 x 12	\$88
A503MS-14x14	14 x 14	\$113
A503MS-6x6	6 x 6	\$48
A503MS-8x8	8 x 8	\$53



- All-aluminum face construction • Cores flush with margin • Four-way air diffusion • Face mounts for easy installation • For sidewall or ceiling application • Multi-shutter or opposed blade dampers • Inconspicuous fingertip lever for air volume control • Bright White finish • T-Bar Panel available

Part No	Size	Price
A504MS-10x10	10 x 10	\$70
A504MS-12x12	12 x 12	\$88
A504MS-14x14	14 x 14	\$113
A504MS-6x6	6 x 6	\$48
A504MS-8x8	8 x 8	\$53

GRILLES & REGISTERS

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A500 SERIES CEILING DIFFUSER

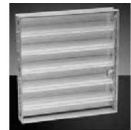


- All-aluminum face construction • Cores flush with margin • Two-way corner air diffusion • Face mounts for easy installation • For sidewall or ceiling application • Multi-shutter or opposed blade dampers • Inconspicuous fingertip lever for air volume control • Bright White finish • T-Bar Panel available

Part No	Size	Price
A505MS-10x10	10 x 10	\$88
A505MS-12x12	12 x 12	\$105
A505MS-14x14	14 x 14	\$130
A505MS-6x6	6 x 6	\$60
A505MS-8x8	8 x 8	\$68

CEILING DIFFUSERS—ALUMINUM

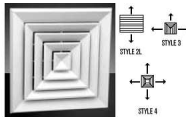
AR7 DAMPER



- Aluminum construction • Mounts on diffuser hanger bracket • Used to control airflow at the diffuser • Mill finish

Part No	Size	Price
AR7-12X12	12 x 12	\$48
AR7-15X15	15 x 15	\$68
AR7-6X6	6 x 6	\$28
AR7-9X9	9 x 9	\$35

DIFFUSER

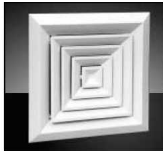


- Aluminum construction • Removable core • Beveled margin style • Bright White or Satin Anodized finish

Part No	Size	Price
ARS2-12X12-W	12 x 12	\$148
ARS2-6X6-W	6 x 6	\$83
ARS2-9X9-W	9 x 9	\$103
ARS3-12X12-W	12 x 12	\$155
ARS3-15X15-W	15 x 15	\$248
ARS3-6X6-W	6 x 6	\$98
ARS3-9X9-W	9 x 9	\$108
ARS4-12X12-W	12 x 12	\$148
ARS4-15X15-W	15 x 15	\$215
ARS4-6X6-W	6 x 6	\$83
ARS4-9X9-W	9 x 9	\$105

CEILING DIFFUSERS—STEEL

DIFFUSER



- Steel construction • Removable core • Beveled margin style • Optional SR-7 opposed-blade damper and SR-6 grid available • Bright White enamel finish

Part No	Size	Airflow	Price
SRS3-12X12-W	12" x 12"	3 way	\$105
SRS3-6X6-W	6" x 6"	3 way	\$65
SRS3-9X9-W	9" x 9"	3 way	\$65
SRS4-12X12-W	12" x 12"	4 way	\$118
SRS4-6X6-W	6" x 6"	4 way	\$65
SRS4-9X9-W	9" x 9"	4 way	\$80

GRILLES & REGISTERS

HART & COOLEY

CEILING DIFFUSERS—STEEL

VOLUME DAMPER



• Steel construction • Mounts on diffuser hanger bracket • Used to control airflow at the diffuser • Mill finish

Part No	Size	Price
SR7-12X12-W	12 x 12	\$18
SR7-6X6-W	6 x 6	\$18
SR7-9X9-W	9 x 9	\$18

CEILING DIFFUSER



• All-steel construction • Step down diffuser rings deflect air stream 360 degrees • Bright White finish

Part No	Size	Price
16-06	6"	\$15
16-08	8"	\$18
16-10	10"	\$23
16-12	12"	\$33

HART & COOLEY

CEILING REGISTERS

BUTTERFLY DAMPER



All-steel construction • Controls air volume evenly over entire #16 diffuser • Removable knob operator for adjustment from closed to fully open • Golden Sand enamel finish NOTE: Knob permits diffuser to be held in position while attaching face screws.

Part No	Size	Price
12-06	6"	\$23
12-08	8"	\$25
12-10	10"	\$33
12-12	12"	\$43

GRILLES & REGISTERS

HART & COOLEY

FLOOR REGISTERS & GRILLES

RETURN AIR GRILLE



• All-steel construction • Provides firm, smooth surface • Extremely rigid • Free area averages over 75% • Golden Sand enamel finish

Part No	Size	Color	Price
265-10x10	10 x 10	Golden Sand	\$38
265-10x10	10 x 10	Golden Sand	\$38
265-10x12	10 x 12	Golden Sand	\$43
265-10x14	10 x 14	Golden Sand	\$48
265-10x30	10 x 30	Golden Sand	\$80
265-12x12	12 x 12	Golden Sand	\$50
265-12x14	12 x 14	Golden Sand	\$53
265-12x20	12 x 20	Golden Sand	\$65
265-12x30	12 x 30	Golden Sand	\$93
265-14x14	14 x 14	Golden Sand	\$68
265-14x20	14 x 20	Golden Sand	\$75
265-16x20	16 x 20	Golden Sand	\$98
265-4x12	4 x 12	Golden Sand	\$30
265-4x14	4 x 14	Golden Sand	\$35
265-6x10	6 x 10	Golden Sand	\$30
265-6x12	6 x 12	Golden Sand	\$30
265-6x14	6 x 14	Golden Sand	\$35
265-6x20	6 x 20	Golden Sand	\$55
265-6x24	6 x 24	Golden Sand	\$63
265-6x30	6 x 30	Golden Sand	\$70
265-8x10	8 x 10	Golden Sand	\$33
265-8x12	8 x 12	Golden Sand	\$33
265-8x14	8 x 14	Golden Sand	\$40
265-8x16	8 x 16	Golden Sand	\$48
265-8x20	8 x 20	Golden Sand	\$63
265-8x24	8 x 24	Golden Sand	\$65
265-8x30	8 x 30	Golden Sand	\$75

TOE-SPACE GRILLE



• All-steel construction • Heavy-gauge stamped face • Multi-angle fins • Golden Sand or Bright White enamel finish

Part No	Size	Color	Price
420-10x2-GS	10 x 2	Golden Sand	\$8
420-12x2-GS	12 x 2	Golden Sand	\$8
420-12x2-W	12 x 2	White	\$8
420-12x4-GS	12 x 4	Golden Sand	\$10
420-14x2-GS	14 x 2	Golden Sand	\$10

GRILLES & REGISTERS

HART & COOLEY

FLOOR REGISTERS & GRILLES

FLOOR DIFFUSER



- All-steel construction• Foot-operated dial control• Multi-angle fin setting• Heavy-gauge stamped face• Rolled fin for strength and safety• Golden Sand or Bright White enamel finish• Welded construction

Part No	Size	Color	Price
421-2x10-GS	2 x 10	Golden Sand	\$10
421-2x10-W	2 x 10	White	\$10
421-2x12-GS	2 x 12	Golden Sand	\$8
421-2x12-W	2 x 12	White	\$10
421-2x14-GS	2 x 14	Golden Sand	\$13
421-2x14-W	2 x 14	White	\$13
421-4x10-GS	4 x 10	Golden Sand	\$8
421-4x10-W	4 x 10	White	\$10
421-4x12-GS	4 x 12	Golden Sand	\$10
421-4x12-W	4 x 12	White	\$10
421-4x14-GS	4 x 14	Golden Sand	\$15
421-4x14-W	4 x 14	White	\$15
421-4x8-GS	4 x 8	Golden Sand	\$10
421-6x10-GS	6 x 10	Golden Sand	\$20
421-6x12-GS	6 x 12	Golden Sand	\$23

DELUXE FLOOR DIFFUSER



- All-steel construction• Foot-operated dial control• Heavy-gauge individually welded diffusion vanes• Can be used in high traffic areas• Multi-angle fin setting• Golden Sand or Bright White enamel finish

Part No	Size	Color	Price
411-2x10-GS	2 x 10	Golden Sand	\$28
411-2x10-W	2 x 10	White	\$28
411-2x12-GS	2 x 12	Golden Sand	\$30
411-2x12-W	2 x 12	White	\$30
411-2x14-GS	2 x 14	Golden Sand	\$35
411-4x10-GS	4 x 10	Golden Sand	\$30
411-4x10-W	4 x 10	White	\$33
411-4x12-GS	4 x 12	Golden Sand	\$35
411-4x12-W	4 x 12	White	\$35
411-4x14-GS	4 x 14	Golden Sand	\$40
411-4x14-W	4 x 14	White	\$40
411-6x10-GS	6 x 10	Golden Sand	\$50
411-6x12-GS	6 x 12	Golden Sand	\$50
411-6x14-GS	6 x 14	Golden Sand	\$53

MISCELLANEOUS



- Adjustment key for bar type supply grilles & registers
- Deflection settings indicated on key

Part No	Description	Price
Deflector Key	Adjustment Key Bar Type G&R	\$1

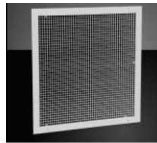
GRILLES & REGISTERS

GRILLES & REGISTERS

HART & COOLEY

REGISTERS & GRILLES—ALUMINUM

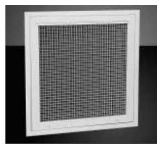
GRILLE



• All-aluminum construction • Square core design with extruded aluminum frame • Bright White or Mill finish

Part No	Grid Core	Price
RE5-10X10-W	1/2" x 1/2" x 1/2"	\$33
RE5-12X12-W	1/2" x 1/2" x 1/2"	\$40
RE5-14X14-W	1/2" x 1/2" x 1/2"	\$50
RE5-16X16-W	1/2" x 1/2" x 1/2"	\$60
RE5-18X18-W	1/2" x 1/2" x 1/2"	\$75
RE5-20X20-W	1/2" x 1/2" x 1/2"	\$90
RE5-24X24-W	1/2" x 1/2" x 1/2"	\$130
RE5-6X6-W	1/2" x 1/2" x 1/2"	\$23
RE5-8X8-W	1/2" x 1/2" x 1/2"	\$28

BAR-STYLE RETURN GRILLE



• All-aluminum construction • Horizontal Bars at 45 degrees • Bright White or Mill finish

Part No	Size	Price
RH45-10X10-W	10" x 10"	\$33
RH45-12X12-W	12" x 12"	\$50
RH45-12X20-W	12" x 20"	\$63
RH45-12X6-W	12" x 6"	\$38
RH45-12X8-W	12" x 8"	\$43
RH45-14X10-W	14" x 10"	\$50
RH45-14X12-W	14" x 12"	\$55
RH45-14X14-W	14" x 14"	\$63
RH45-14X24-W	14" x 24"	\$74
RH45-14X6-W	14" x 6"	\$43
RH45-14X8-W	14" x 8"	\$45
RH45-16X16-W	16" x 16"	\$75
RH45-16X8-W	16" x 8"	\$50
RH45-18X18-W	18" x 18"	\$98
RH45-20X12-W	20" x 12"	\$70
RH45-20X14-W	20" x 14"	\$83
RH45-20X16-W	20" x 16"	\$93
RH45-20X20-W	20" x 20"	\$113
RH45-22X10-W	22" x 10"	\$52
RH45-24X10-W	24" x 10"	\$73
RH45-24X12-W	24" x 12"	\$80
RH45-24X14-W	24" x 14"	\$93
RH45-24X20-W	24" x 20"	\$133
RH45-24X24-W	24" x 24"	\$160
RH45-30X24-W	30" x 24"	\$208
RH45-30X30-W	30" x 30"	\$265
RH45-30X6-W	30" x 6"	\$78
RH45-36X24-W	36" x 24"	\$258
RH45-6X6-W	6" x 6"	\$30
RH45-8X8-W	8" x 8"	\$35

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REGISTERS & GRILLES—ALUMINUM

RHF45 FILTER GRILLE



• Extruded aluminum construction• RHF45 utilizes the RH45 extruded aluminum grille• Horizontal bars at 45 degrees• Filter grilles equipped with spring fasteners• Hinged on the bottom edge• Bright White or Satin Anodized finish• Accommodates standard 1" thick disposable filter (not included)

Part No	Degree	Price
RHF45-12X12-W	45	\$65
RHF45-16X25-W	45	\$118
RHF45-18X30-W	45	\$154
RHF45-20X20-W	45	\$145
RHF45-24X24-SA	45	\$195
RHF45-24X24-W	45	\$213
RHF45-30X24-W	45	\$233

REGISTER



• Extruded aluminum construction • Vertical front bars• Two rows of individually adjusted face bars for horizontal and vertical deflection• Pivoted bars for easy positive setting• Opposed-blade damper• Horizontal second bars• Bright White or Satin Anodized finish

Part No	Size	Price
VHD-12X12-W	12 x 12	\$120
VHD-12X6-W	12 x 6	\$93
VHD-12X8-W	12 x 8	\$103
VHD-14X6-W	14 x 6	\$88
VHD-14X8-W	14 x 8	\$110
VHD-16X8-W	16 x 8	\$120
VHD-18X12-W	18 x 12	\$155
VHD-18X8-W	18 x 8	\$128
VHD-20X12-W	20 x 12	\$165
VHD-20X8-W	20 x 8	\$135
VHD-24X8-W	24 x 8	\$165

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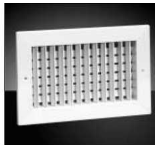
REGISTERS & GRILLES—STEEL



• All-steel construction• Horizontal multi-shutter valve• Vertical adjustable face bars• Bright White finish

Part No	Size	Description	Price
821-6X6	6" x 6"	Supply Register 10" x 10" Wh Steel	\$33
821-8X8	8" x 8"	Supply Register 10" x 10" Wh Steel	\$38
821-10X4	10" x 4"	Supply Register 10" x 10" Wh Steel	\$35
821-10X6	10" x 6"	Supply Register 10" x 10" Wh Steel	\$38
821-10X8	10" x 8"	Supply Register 10" x 10" Wh Steel	\$40
821-10X10	10" x 10"	Supply Register 10" x 10" Wh Steel	\$43
821-12X4	12" x 4"	Supply Register 10" x 10" Wh Steel	\$38
821-12X6	12" x 6"	Supply Register 10" x 10" Wh Steel	\$33
821-12X8	12" x 8"	Supply Register 10" x 10" Wh Steel	\$45
821-12X10	12" x 10"	Supply Register 10" x 10" Wh Steel	\$48
821-12X12	12" x 12"	Supply Register 10" x 10" Wh Steel	\$53
821-14X6	14" x 6"	Supply Register 10" x 10" Wh Steel	\$38
821-14X8	14" x 8"	Supply Register 10" x 10" Wh Steel	\$40
821-14X10	14" x 10"	Supply Register 10" x 10" Wh Steel	\$53
821-14X12	14" x 12"	Supply Register 10" x 10" Wh Steel	\$58
821-14X14	14" x 14"	Supply Register 10" x 10" Wh Steel	\$70
821-16X6	16" x 6"	Supply Register 10" x 10" Wh Steel	\$48
821-16X8	16" x 8"	Supply Register 10" x 10" Wh Steel	\$55
821-16X10	16" x 10"	Supply Register 10" x 10" Wh Steel	\$58
821-16X12	16" x 12"	Supply Register 10" x 10" Wh Steel	\$68
821-16X16	16" x 16"	Supply Register 10" x 10" Wh Steel	\$83
821-20X20	20" x 20"	Supply Register 10" x 10" Wh Steel	\$123
821-24X6	24" x 6"	Supply Register 10" x 10" Wh Steel	\$65

92VHO GRILLE



• All-steel construction• Adjustable face bars may be set to any desired deflection• Vertical front bars• Larger sizes available in multiplepiece construction• Horizontal second bars• Bright White finish

Part No	Description	Price
92VHV-10X6-W	Supply Register	\$50
92VHV-12X10-W	Supply Register	\$63
92VHV-12X6-W	Supply Register	\$53
92VHV-12X8-W	Supply Register	\$60
92VHV-14X10-W	Supply Register	\$70
92VHV-14X14-W	Supply Register	\$88
92VHV-14X6-W	Supply Register	\$50
92VHV-14X8-W	Supply Register	\$53
92VHV-20X12-W	Supply Register	\$98
92VHV-24X10-W	Supply Register	\$100
92VHV-24X12-W	Supply Register	\$113
92VHV-24X18-W	Supply Register	\$168
92VHV-24X8-W	Supply Register	\$93

GRILLES & REGISTERS

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REGISTERS & GRILLES—STEEL

94A GRILLE



- All-steel construction • Horizontal face bars set at 40 degrees • Larger sizes available in multiplepiece construction • Also available as 94AT T-Bar Return Grille
- Bright White finish

Part No	Description	Price
94A-10X10-W	Return Grille Steel	\$25
94A-12X12-W	Return Grille Steel	\$30
94A-12X6-W	Return Grille Steel	\$25
94A-12X8-W	Return Grille Steel	\$25
94A-14X12-W	Return Grille Steel	\$33
94A-14X14-W	Return Grille Steel	\$38
94A-14X6-W	Return Grille Steel	\$25
94A-14X8-W	Return Grille Steel	\$28
94A-16X16-W	Return Grille Steel	\$45
94A-18X12-W	Return Grille Steel	\$40
94A-18X18-W	Return Grille Steel	\$58
94A-20X12-W	Return Grille Steel	\$43
94A-20X14-W	Return Grille Steel	\$50
94A-20X16-W	Return Grille Steel	\$58
94A-20X20-W	Return Grille Steel	\$70
94A-24X10-W	Return Grille Steel	\$45
94A-24X12-W	Return Grille Steel	\$50
94A-24X14-W	Return Grille Steel	\$58
94A-24X18-W	Return Grille Steel	\$73
94A-24X24-W	Return Grille Steel	\$100
94A-30X12-W	Return Grille Steel	\$65
94A-30X24-W	Return Grille Steel	\$130
94A-30X30-W	Return Grille Steel	\$163
94A-36X12-W	Return Grille Steel	\$80
94A-36X24-W	Return Grille Steel	\$163
94A-6X6-W	Return Grille Steel	\$20
94A-8X8-W	Return Grille Steel	\$18

REZZIN™ REGISTERS & DIFFUSERS

PLASTIC SIDEWALL/CEILING REGISTER



- Engineered polymer construction • Solid ABS construction • Two-way deflection • Traditional styling• Integral multi-shutter damper with easy-to-use damper handle • For heating or cooling applications • Bright White finish

Part No	Width	Height	Price
RZ682-10x6	10	6	\$10
RZ682-10x8	10	8	\$13
RZ682-12x6	12	6	\$10
RZ682-14x8	14	8	\$13
RZ682-handle			\$1

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SIDEWALL REGISTERS & GRILLES

303 REGISTER



• All-steel one-piece stamped face curved blade construction • Multi-shutter valve] • For sidewall or ceiling application • Three-way deflection • Listed heights 10" and larger require double valves • Three-way air pattern • Bright White enamel finish

Part No	Width	Height	Color	Price
303-6x6-W	6"	6"	White	\$18
303-8x8-W	8"	8"	White	\$23

631 REGISTER



• All-steel construction • Ideal for shallow duct installations • Used for ceiling or sidewall installations • For heating or cooling • Three-way deflection • 1/3" spaced fins set at 20 degrees • Multi-shutter valve • 1-5/8" depth when fully opened • Interlocking valve louvers for positive shut-off • Bright White finish

Part No	Size	Price
631-10x6-W	10 x 6	\$18
631-12x6-W	12 x 6	\$20

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SIDEWALL REGISTERS & GRILLES

650 RETURN AIR GRILLE



•All-steel construction • 1/3" spaced fins set at 20 degrees • Exceptional free area • 5/16" Margin Turnback • Bright White finish

Part No	Size	Price
650-10x10	10 x 10	\$15
650-10x4	10 x 4	\$8
650-10x6	10 x 6	\$8
650-10x8	10 x 8	\$10
650-12x12	12 x 12	\$10
650-12x14	12 x 14	\$20
650-12x4	12 x 4	\$10
650-12x6	12 x 6	\$8
650-12x8	12 x 8	\$10
650-14x10	14 x 10	\$18
650-14x12	14 x 12	\$18
650-14x14	14 x 14	\$20
650-14x18	14 x 18	\$30
650-14x20	14 x 20	\$30
650-14x24	14 x 24	\$38
650-14x30	14 x 30	\$45
650-14x6	14 x 6	\$8
650-14x8	14 x 8	\$8
650-16x10	16 x 10	\$20
650-16x16	16 x 16	\$18
650-16x20	16 x 20	\$28
650-16x8	16 x 8	\$13
650-18x18	18 x 18	\$25
650-18x6	18 x 6	\$13
650-20x12	20 x 12	\$25
650-20x14	20 x 14	\$30
650-20x20	20 x 20	\$30
650-20x30	20 x 30	\$65
650-20x6	20 x 6	\$13
650-20x8	20 x 8	\$13
650-24x12	24 x 12	\$28
650-24x14	24 x 14	\$35
650-24x24	24 x 24	\$65
650-24x30	24 x 30	\$80
650-24x6	24 x 6	\$13
650-24x8	24 x 8	\$15
650-30x10	30 x 10	\$30
650-30x6	30 x 6	\$13
650-30x8	30 x 8	\$20
650-6x6	6 x 6	\$8
650-8x8	8 x 8	\$8

651REGISTER



•All-steel construction • 1/3" spaced fins set at 20 degrees • Positive volume control damper • Bright White finish

Part No	Size	Price
651-12x6	12 x 6	\$28
651-14x6	14 x 6	\$30

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659 RETURN AIR FILTER GRILLE



- All-steel construction • 1/3" spaced fins set at 20 degrees • Effectively conceals filter • Use standard 1" thick disposable filters (not included)• Removable face for easy installation and cleaning • Equipped with adjustable filter retainers • Bright White finish

Part No	Size	Price
659-12x12	12 x 12	\$30
659-14x14	14 x 14	\$35
659-14x20	14 x 20	\$55
659-14x25	14 x 25	\$63
659-14x30	14 x 30	\$80
659-16x16	16 x 16	\$43
659-16x20	16 x 20	\$45
659-16x25	16 x 25	\$78
659-20x10	20 x 10	\$55
659-20x14	20 x 14	\$55
659-20x16	20 x 16	\$45
659-20x20	20 x 20	\$50
659-20x25	20 x 25	\$78
659-20x30	20 x 30	\$100
659-22x30	22 x 30	\$213
659-24x14	24 x 14	\$63
659-24x20	24 x 20	\$88
659-24x24	24 x 24	\$73
659-24x30	24 x 30	\$123
659-25x14	25 x 14	\$63
659-25x16	25 x 16	\$80
659-25x20	25 x 20	\$75
659-30x14	30 x 14	\$80
659-30x20	30 x 20	\$100
659-30x30	30 x 30	\$168

GRILLES & REGISTERS

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SIDEWALL REGISTERS & GRILLES

661 REGISTER



• All-steel construction • Used for ceiling or sidewall installations • For heating or cooling • Ideal for shallow duct installations • Two-way deflection• 1/3" spaced fins set at 20 degrees • Galvanized multi-shutter valve • 1-5/8" depth when fully opened • Interlocking valve louvers for positive shut-off • Bright White finish

Part No	Size	Price
661-10x10	10 x 10	\$33
661-10x4	10 x 4	\$13
661-10x6	10 x 6	\$13
661-10x8	10 x 8	\$23
661-12x10	12 x 10	\$40
661-12x12	12 x 12	\$43
661-12x4	12 x 4	\$13
661-12x6	12 x 6	\$15
661-12x8	12 x 8	\$23
661-14x4	14 x 4	\$20
661-14x6	14 x 6	\$15
661-14x8	14 x 8	\$25
661-16x6	16 x 6	\$30
661-16x8	16 x 8	\$35
661-18x6	18 x 6	\$58
661-20x6	20 x 6	\$58
661-20x8	20 x 8	\$85
661-24x6	24 x 6	\$75
661-24x8	24 x 8	\$98
661-30x6	30 x 6	\$95
661-30x8	30 x 8	\$110
661-6x6	6 x 6	\$18
661-8x4	8 x 4	\$13
661-8x6	8 x 6	\$13
661-8x8	8 x 8	\$23

682 REGISTER



All-steel construction. Used for ceiling or sidewall installations. Ideal for shallow duct installations. Two-way deflection. 1/2" spaced fins set at 40 degrees. Multi-shutter valve. 1-5/8" depth when fully opened. Interlocking valve louvers for positive shut-off. Bright White finish

Part No	Size	Color	Price
682-10X4-W	10X4	White	\$13
682-10X6-W	10X6	White	\$13
682-10X8-W	10X8	White	\$25
682-12X4-W	12X4	White	\$15
682-12X6-W	12X6	White	\$15
682-12X8-W	12X8	White	\$25
682-14X6-W	14X6	White	\$23
682-14X8-W	14X8	White	\$30
682-16X8-W	16X8	White	\$35
682-18X4-W	18X4	White	\$78
682-6X6-W	6X6	White	\$18
682-8X4-W	8X4	White	\$13
682-8X6-W	8X6	White	\$13

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672 RETURN AIR GRILLE



• All-steel construction • 1/2" spaced fins set at 40 degrees • Exceptional free area • 5/16" Margin Turnback • Bright White finish

Part No	Size	Color	Price
672-10X10-W	10X10	White	\$15
672-10X24-W	10X24	White	\$28
672-10X6-W	10X6	White	\$8
672-12X12-W	12X12	White	\$18
672-12X16	12X16	White	\$23
672-12X20-W	12X20	White	\$23
672-12X4-W	12X4	White	\$10
672-12X6-W	12X6	White	\$8
672-12X8-W	12X8	White	\$10
672-14X12-W	14X12	White	\$20
672-14X14-W	14X14	White	\$15
672-14X18-W	14X18	White	\$30
672-14X4-W	14X4	White	\$10
672-14X6-W	14X6	White	\$10
672-14X8-W	14X8	White	\$10
672-16X14-W	16X14	White	\$28
672-16X16-W	16X16	White	\$20
672-16X20-W	16X20	White	\$28
672-16X30-W	16X30	White	\$55
672-16X8-W	16X8	White	\$15
672-18X12-W	18X12	White	\$25
672-18X18-W	18X18	White	\$28
672-20X10-W	20X10	White	\$23
672-20X14-W	20X14	White	\$33
672-20X16-W	20X16	White	\$28
672-20X20-W	20X20	White	\$33
672-20X24-W	20X24	White	\$55
672-24X12-W	24X12	White	\$30
672-24X16-W	24X16	White	\$43
672-24X24-W	24X24	White	\$70
672-24X6-W	24X6	White	\$15
672-24X8-W	24X8	White	\$15
672-25X16-W	25X16	White	\$45
672-30X10-W	30X10	White	\$30
672-30X12-W	30X12	White	\$35
672-30X14-W	30X14	White	\$48
672-30X16-W	30X16	White	\$55
672-30X18-W	30X18	White	\$63
672-30X20-W	30X20	White	\$68
672-30X24-W	30X24	White	\$85
672-30X30-W	30X30	White	\$100
672-30X6-W	30X6	White	\$15
672-30X8-W	30X8	White	\$20
672-36X8-W	36X8	White	\$43
672-6X6-W	6X6	White	\$8
672-8X6-W	8X6	White	\$8

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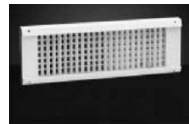


- Aluminum construction • Adjustable straight fins provides individual deflection control • Stamped face margins eliminate mitered corners and rough edges
- Galvanized multi-shutter valve or opposed-blade damper • Bright White finish

Part No	Size	Color	Price
A618MS-10x6-W	10 x 6	White	\$38
A618MS-12x6-W	12 x 6	White	\$40

SPIRAL DIFFUSERS

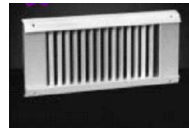
DOUBLE DEFLECTION UNIVERSAL DIFFUSER



- Extruded aluminum construction• Optional face adjustable scoop to direct airflow• Two-way deflection• Counter-sunk screw holes • Two rows of individually adjustable blades for horizontal and vertical deflection control• Fits duct sizes 6" on up based on diffuser height • Bright White and Satin Anodized finishes

Part No	Size	Price
USVH3-12X6-W	12 x 6	\$120
USVH3-24X6-W	24 x 6	\$178

SINGLE DEFLECTION UNIVERSAL DIFFUSER



- Extruded aluminum construction• Optional face adjustable scoop to direct airflow• One-way deflection• Counter-sunk screw holes• Single row of individually adjustable vertical blades for horizontal air deflection control• Fits duct sizes 6" on up based on diffuser height • Bright White and Satin Anodized finishes

Part No	Size	Price
USV3-24X6-W	24 x 6	\$145

T-BAR DIRECTIONAL/MODULAR DIFFUSER

STEEL SQUARE AND RECTANGULAR T-BAR DIFFUSERS



- Steel construction • Available in one, two, three and fourway deflections • Removable core • Bright White finish • SRT Available Sizes

Part No	Desc	Size	Price
SRT2	2 way	6" x 6", 9" x 9", 12" x 12", 15" x 15"	\$110
SRT3	3 way	6" x 6", 9" x 9", 12" x 12", 15" x 15"	\$168
SRT4	4 way	6" x 6", 9" x 9", 12" x 12", 15" x 15"	\$148

T-BAR PANEL FOR A500 SERIES DIFFUSERS



- Adapts A500 diffuser to T-Bar installation• Diffuser must be ordered separately (A500 Series)• Steel construction• Bright White finish• Diffuser snaps in behind panel for clean appearance• A500P T-Bar Panel Available Sizes

Part No	Overall	Openings	Price
A500P	23-3/4" x 23-3/4"	6" - 14"	\$48

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T-BAR FIXED PATTERN DIFFUSER

FIXED PATTERN DIFFUSER



- Steel construction • Provides high air volume delivery • Utilizes butterfly damper (3800 Series) inserted in collar-order separately • 360-degree air diffusion • Damper adjustable thru face • Three cone fixed core • Formed steel back panel • Unique 2" high collar permits easy flex connections • Bright White finish • FPD3R6 features insulated back

Part No	Description	Size	Price
FPD3-06	Fxd Pattern Diffusr Fxd Neck	6"	\$68
FPD3-08	Fxd Pattern Diffusr Fxd Neck	8"	\$68
FPD3-10	Fxd Pattern Diffusr Fxd Neck	10"	\$68
FPD3-12	Fxd Pattern Diffusr Fxd Neck	12"	\$68
FPD3-14	Fxd Pattern Diffusr Fxd Neck	14"	\$68
FPD3-DAHP	Damper Adjustment Hole Plug		\$0

HIGH VOLUME SUPPLY



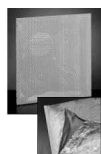
- Steel construction • Fixed core • Utilizes butterfly damper (3800 Series) inserted in collar • Formed back panel • HVSPC-Powder Coat finish for added corrosion resistance • Bright White finish • insulation prescored to accommodate collar size desired • HVS14-14" collar factory installed • Accepts unique 2" high snap-in collar (5400 series) (6"-12") • 360-degree air diffusion • Fiberglass insulation blanket with foil vapor barrier to minimize condensation • Provides high air volume delivery

Part No	Size	Collar	Price
HVS-14W	23-3/4" x 23-3/4"	factory applied	\$140
HVS-W	23-3/4" x 23-3/4"	5400 series	\$105

T-BAR PERFORATED SUPPLY/RETURN

PDSD STEEL

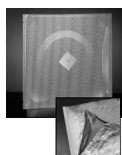
PERFORATED DIFFUSER SUPPLY

**(With Adjustable Deflector)**

- Fiberglass insulation blanket with foil vapor barrier to minimize condensation • Accepts unique snap-in collar (5400 Series) 6"-12"-order separately • Utilizes Butterfly damper (3800 Series) Inserted in collar • Insulation prescored to accommodate collar size desired • Perforated steel face • Damper adjusted thru diffuser face to allow proper air balancing • Face adjustable deflectors • Utilizes Butterfly damper (3800 Series) inserted in collar • Formed steel black back panel • Bright White finish • Available in 14" fixed collar (PDSD14)

Part No	Size	Price
PDSD	23-3/4" x 23-3/4"	\$93

PERFORATED SUPPLY DIFFUSER



- Utilizes Butterfly damper (3800 Series) inserted in collar • Available in 14" fixed collar (PDS14) • Damper adjusted thru diffuser face to allow proper air balancing • Perforated steel face • Fiberglass insulation blanket with foil vapor barrier to minimize condensation • Formed steel black back pane • Insulation prescored to accommodate collar size desired • Bright White finish • Accepts unique snap-in collar (5400 Series) 6"-12"-order separately

Part No	Size	Collar	Price
PDS	23-3/4" x 23-3/4"	5400 series	\$83
PDS-14	23-3/4" x 23-3/4"	factory applied	\$103

HART & COOLEY

T-BAR PERFORATED SUPPLY/RETURN

STEEL CURVED BLADE PERFORATED SUPPLY/ RETURN DIFFUSER



• Steel construction • Removable hinged face allows for easy access to air pattern control core • Deep drawn back reduces static pressure drop • Individually adjustable pattern deflectors factory set at 4-way deflection. Can be field adjusted for 1, 2, 3-way air patterns. • Available in 6", 8", 10", 12", 14" and 16" diameter necks • Unique 2" high collar permits easy flex connections • Accepts 3800 Series butterfly damper (order separately) • For 16", use T19 • Bright White finish • Face can be removed for cleaning

Part No	Size	Price
CBPR-10-W	23-3/4" x 23-3/4"	\$63
CBPR-12-W	23-3/4" x 23-3/4"	\$88
CBPR-14-W	23-3/4" x 23-3/4"	\$83
CBPR-16-W	23-3/4" x 23-3/4"	\$85
CBPR-6-W	23-3/4" x 23-3/4"	\$58
CBPR-8-W	23-3/4" x 23-3/4"	\$58
CBPS-10-W	23-3/4" x 23-3/4"	\$73
CBPS-12-W	23-3/4" x 23-3/4"	\$103
CBPS-6-W	23-3/4" x 23-3/4"	\$73
CBPS-8-W	23-3/4" x 23-3/4"	\$73

T-BAR RETURN AIR FILTER GRILLES

BAR-STYLE FILTER GRILLE

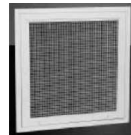


• Aluminum construction • Filter Grilles equipped with spring slide fasteners • Bar-style face • Uses standard 1" disposable filter (not furnished) • Hinged to filter frame • Bright White or Satin Anodized finish • Mounts flush with T-Bar ceilings

Part No	Size	Price
RHF45T-20X20-W	20" x 20" with	\$210

REF5T ALUMINUM

EGG CRATE FILTER GRILLE



• Aluminum construction • Filter grilles equipped with thumb srew fasteners • Egg crate style face • Uses standard 1" disposable filter not furnished • Hinged to filter frame • Bright White or Mill Aluminum finish • Mount flush with T-Bar ceilings

Part No	Size	Price
REF5-T-20X20-W	20" x 20" with extended frame (overall 23-3/4" x 23-3/4") for 24" x 24" openings	\$173

STEEL BAR-STYLE RETURN GRILLE



• Steel construction • Mount flush with T-Bar ceilings • Individual horizontal Bars set at • Bright White • 40 degrees • 94AT
Available Sizes

Part No	Size	Overall	Openings	Price
94AT-22X22-W	22" x 22"	23-3/4" x 23-3/4"	24" x 24"	\$100

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T-BAR RETURN AIR FILTER GRILLES

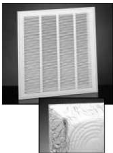
STEEL LANCED FILTER GRILLE



- Steel construction • Lanced-face design with 1/3" blade spacing • Flush, removable face with concealed latches and hinges can be installed in any direction
- Uses standard 1" disposable filters (not furnished) • Bright White finish • 659T Available Sizes

Part No	Size	Overall	Openings	Price
659T-20X20-W	20" x 20" With Extended Frame	23-3/4" x 23-3/4"	24" x 24"	\$88

STEEL LANCED FILTER GRILLE WITH INSULATED BACK



- Steel construction• Molded fiberglass back• Lanced-face design with 1/3" blade spacing• Frame includes four seismic safety connections• Flush, removable face with concealed latches and hinges can be installed in any direction• Uses standard 1" disposable filters (not furnished) • Bright White finish• Accepts standard spin-in or tab collars or unique snap-in collar (5400 series)• 659TI Available Sizes

Part No	Size	Overall	Price
659TI-W	20" x 20"	23-3/4" x 23-3/4"	\$100

T-BAR RETURN AIR GRILLES

ALUMINUM BAR-STYLE RETURN GRILLE

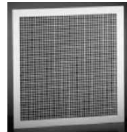


- Aluminum construction • Horizontal Bars at 45 degrees • Mount flush with T-Bar ceilings • Bright White or Satin Anodized finish • RH45T Available Sizes

Part No	Size	Overall	Openings	Price
RH45T-22X10-W	22" x 10"	23-3/4" x 13-3/4"	24" x 14"	\$65
RH45T-22X22-W	22" x 22"	23-3/4" x 23-3/4"	24" x 24"	\$125
RH45T-46X22-W	46" x 22"	47-3/4" x 23-3/4"	48" x 24"	\$255

RE5T ALUMINUM

EGG CRATE RETURN GRILLE

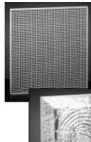


- Aluminum construction • Egg crate style face • Mount flush with T-Bar ceilings • Bright White or Mill Aluminum finish

Part No	Size	Price
RE5T-22X22-W	22" x 22" (overall 23-3/4" x 23-3/4") for 24" x 24" openings	\$108
RE5T-46X22-W	22" x 46" (overall 47-3/4" x 23-3/4") for 48" x 24" openings	\$253

RE5TI ALUMINUM

EGG CRATE RETURN GRILLE WITH INSULATED BACK



- Aluminum construction • Egg crate style face • Molded fiberglass back • Accepts standard spin-in or tab collars or unique snap-in collar (5400 series) • Bright White or Mill Aluminum finish.

Part No	Size	Price
RE5-TI	1/2" x 1/2" x 1/2"	\$130

GRILLES & REGISTERS

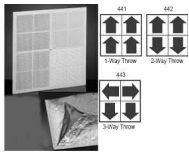
GRILLES & REGISTERS

HART & COOLEY

T-BAR SURFAIRE/RENOVATOR DIFFUSER

SURFAIRE

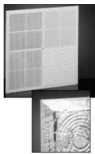
ALUMINUM FACE RENOVATOR SERIES DIFFUSER



• Damper adjusted thru diffuser face to allow proper air balancing• Unique deflector apertures• Air distributed in thin layers along ceiling surface allowing optimum mixing of conditioned air• Formed galvanized steel back panel • Frame includes four seismic safety connections• Back plate covered with glass fiber insulation to reduce condensation• 444 - 14" collar is factory installed• Aluminum foil vapor barrier protects insulation from harmful effects of condensation• Bright White finish• Insulation prescored to accommodate collar size desired• Aluminum face• Utilizes butterfly damper (3800 Series) inserted in collar

Part No	Description	Price
441	1-Way Throw	\$95
442	2-Way Throw	\$95
443	3-Way Throw	\$93
444	4-Way Throw	\$90

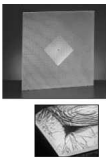
ALUMINUM FACE RENOVATOR SERIES DIFFUSER WITH INSULATED BACK



• Aluminum face • Unique deflector apertures • Molded fiberglass back panel • Accepts standard spin-in or tab collars or snap-in collar (5400 series)
• Frame includes four seismic safety connections • Bright White finish

Part No	Size	Overall	Price
REN4-W	20" x 20"	23-3/4" x 23-3/4"	\$68

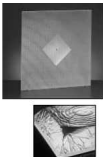
PERFORATED RETURN WITH INSULATED BACK



• Perforated steel face • Molded fiberglass back panel • Accepts standard and spin-in or tab collars or unique snap-in collar (5400 series) • Bright White finish

Part No	Size	Price
RENP-W	20" x 20"	\$45

PERFORATED SUPPLY DIFFUSER WITH INSULATED BACK



• Perforated steel face with deflector • Molded fiberglass back panel • Accepts standard and spin-in or tab collars or unique snap-in collar (5400 series) • Bright White finish.

Part No	Size	Price
RENPS-W	20" x 20"	\$45

GRILLES & REGISTERS

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T-BAR ACCESSORIES

COLLAR RING



• Unique snap-in design for easy installation • 2" high collar permits easy flex connections • Bead on collar improves the strength and provides retention for flexible duct connections.

Part No	Size	Price
5406	6"	\$10
5407	7"	\$10
5408	8"	\$10
5409	9"	\$10
5410	10"	\$10
5412	12"	\$10
5414	14"	\$20
5416	16"	\$20

T-BAR ACCESSORIES

PUSH PIN

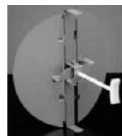


Attaches 5400 collar to molded fiberglass fiberglass back for the following products:
• 659TI • RENPS • PFTI • RE5TI • PFTI • 96AFBTI • RENP• REN4

Part No	Description	Price
5400PP	Push Pinsattaches Collar To Molded	\$0

T-BAR ACCESSORIES

BUTTERFLY DAMPER



• Adjustable butterfly damper with removable handle (included) • For use with 5400 Series collar • Golden Sand finish

Part No	Size	Price
3806	6"	\$18
3807	7"	\$18
3808	8"	\$18
3809	9"	\$20
3810	10"	\$20
3812	12"	\$23
3814	14"	\$25

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AIR HANDLERS & COILS



Part No	Description	Capacity	Wt	Price
HW1218	Hot water coil only, require MH2430 or MV2430	1 to 1-1/2 Ton	33	\$958
HW2430	Hot water coil only, require MH2430 or MV2430	2 - 3 Ton	33	\$958
HW3660	Hot water coil only, require MH2430 or MV2430	3 to 5 Ton	33	\$958
M1218AC	Fan coil A/C	1 to 1-1/2 Ton	94	\$2,830
M1218HP	Fan coil Heat Pump	1 to 1-1/2 Ton	94	\$2,830
MB2430L	Blower module, 60/50 hz	2 to 3 Ton	62	\$1,535
MB3642L	Blower module	3 to 3-1/2 ton	62	\$1,535
MB4860L	Blower module	4 to 5 ton	62	\$1,535
MC2430C	A/C coil module	2 - 3 Ton	48	\$2,083
MC2430H	HP coil module	2 - 3 Ton	48	\$2,083
MC3642C	A/C coil module	3 to 3-1/2 Ton	48	\$2,083
MC3642H	HP coil module	3 to 3-1/2 Ton	48	\$2,083
MC4860C	A/C coil module	4 to 5 Ton	48	\$2,083
MC4860H	HP coil module	4 to 5 Ton	48	\$2,083

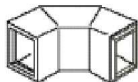
M SERIES HEATING MODULE



Part No	Number Of Rows	Connection Size(inch) Sweat	Shipping weight (without coil), lb (kg)	Price
MH2436	4	7/8	20 (9)	\$320
MH3660	4	7/8	20 (9)	\$432

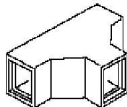
SQUARE FIBERGLASS DUCTBOARD PLENUM FITTINGS

900 FIBERGLASS ELBOW



Part No	ID Dimension	wall	Price
UPC-18-065S	6.5 x 6.5 (163 x 163)	1.0 (25)	\$108

FULL FLOW FIBERGLASS TEE



Part No	ID Dimension	wall	Price
UPC-16-065S	6.5 X 6.5 (216 X 216)	1.0 (25)	\$95

INSTALLATION KITS FOR METAL DUCT (1 OUTLET)



It Includes : 1 supply outlet, 12' attenuator tube, spin in take off, winter shutoff cup, (2) scrim core clamp (black), (2) toggle and screws, (2) and a coupling with a tape rings.

Part No	Description	Wt	Price
UPC-80M-1	Metal Plenum Single Install Kits	5	\$183

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INSTALLATION KITS FOR METAL DUCT (6 OUTLETS)



Part No	Description	Pkg Qty	Price
UPC-89M-6A	Installation Kit for Metal Plenum - Metal Take-Offs with gasket and tape ring	6 kits	\$418

SQUARE FIBERGLASS DUCTBOARD PLENUM FITTINGS

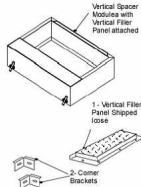
SUPPLY AIR PLENUM ADAPTER, SQUARE



INCLUDES: Restrictor plate, Insulation tape, Mounting screws

Part No	Used On	Duct size	Price
UPC-62-2430	2430	6.5 X 6.5 (165 X 165)	\$65

VERTICAL INSTALL KIT



The UPC-63A and are used for the vertical conversion of the 2430 and the 3642 modules when the MV modules are not used. UPC-63A and are not needed with the MC4860C and MC4860H because the spacer is shipped with those cooling modules.

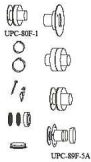
The vertical install kit is also not needed if a heating only application is used. For Up-Flow heating and cooling applications, it is recommended that the MV module is used so that the heating coil is properly placed in the system. If the MV modules are not used, a field fabricated stand must be created for proper draining. For Down-Flow applications, a UPC-63 is necessary for the 2430 and 3642 installed between the blower and coil. For combination heating and cooling applications, a second UPC-63 can be installed on top of the coil to accept a heating module. For cooling only applications, the UPC-63 can be used on top of the coil to mount a UPC-104 or a field fabricated return can be installed. Previously the MH modules were used as a 12 inch spacer between the Blower Module and the Cooling Module. Now the 6 inch Vertical Spacer Module replaces the need for the MH2430/3660 Heating Module Cabinets.

Part No	Description	Price
UPC-63	1-Vertical Spacer Module, / 2-Filler Panel / 2-L-shape corner brackets / 16-#10-16 x 1/2 screws / Gasket as required.	\$55

FIBERGLASS OR METAL SYSTEM SUPPLY AIR PARTS

Part No	Description	Wt	Price
UPC-19-9X7X7	9"X7"X7" Metal tee reducer	5	\$105
UPC-25	Aluminum Supply Tubing (single 25 ft. Length)	1	\$180
UPC-26C	Sound Attenuator Tubing (12 ft. Lengths)	14	\$85
UPC-61-1218	Supply Air Adapter, Module 1218 - 7" Round		\$58

INSTALLATION KITS FOR FIBERGLASS DUCT



It Includes : (5) supply outlets, (5) spin in take offs, (5) winter supply shutoff caps, (10) scrim core clamps, (10) toggles and screws, (10) aluminum core clamps (black), (1) balancing orifice kit, (5) couplings with (10) tape rings.

Part No	Description	Wt	Price
UPC-89F-6A	6ea Install Kits	4	\$405
UPC-80F-1	Single Install Kits	5	\$178

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OUTLET ACCESSORIES FOR FIBER GLASS SYSTEMS



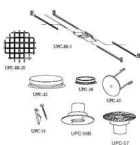
Part No	Description	Wt	Price
UPC-23B	Spin in assembly for 1" fiberglass plenum wall	1	\$35
UPC-22	Spin in assembly for 1.5" fiberglass plenum wall	1	\$38

OUTLET ACCESSORIES FOR METAL SYSTEMS



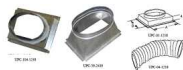
Part No	Description	Wt	Price
UPC-28	Metal Plenum take - off	1	\$43

OUTLETS & ACCESSORIES FOR FIBERGLASS OR METAL SYSTEMS



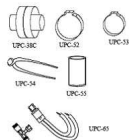
Part No	Description	Wt	Price
UPC-36	Outlet balancing package	1	\$78
UPC-42	Winter Shut - off caps (outlet)	1	\$5
UPC-45	Outlet deflectors	1	\$20
UPC-51	Outlet hardware package	1	\$35
UPC-56B	supply outlet for toggles & screw	1	\$30
UPC-57-RO	Red oak supply outlet with screen (standard)	1	\$70
UPC-86-5	Frame in kits (designed for locating outlets prior to sheet rock)	1	\$205
UPC-88-20	Outlet screens	20	\$58

RETURN AIR PARTS



Part No	Description	Capacity	Wt	Price
UPC-01-1218	Return Grille 14" * 20" (1218)	1 - 15 Ton	8	\$313
UPC-04-1218	Return Air Duct (12") 10 ft. long	1 - 15 Ton	9	\$203
UPC-104-1218	Return Air Adapter (1218)	1 - 15 Ton	30	\$158
UPC-59-2430	Return Air Adapter (Cooling module 2430)	2 2.5 Ton	6	\$158

SINGLE ITEMS - ACCESSORIES FOR FIBERGLASS OR METAL SYSTEMS



Part No	Description	Wt	Price
UPC-35	Plenum balancing package	1	\$95
UPC-52-50	Aluminum core supply clamps (black)	1	\$3
UPC-53	Sound attenuated supply tube clamps (silver)	1	\$3
UPC-54	clamp pliers	1	\$115
UPC-55	2" Hole Cutter	1	\$30
UPC-38C	Supply duct couplings - used between Upc 25 & Upc 26C	3	\$18
UPC-65	Mild weather kits	1	\$135

HIGH-VELOCITY EQUIPMENT

ZONING

HONEYWELL ZONE SYSTEMS

TZ-4 TOTALZONE ZONE CONTROL PANEL



Four-zone panel designed to provide first call changeover from any zone thermostat. For most HVAC systems including single-stage and up to three stages of heating and two stages of cooling and heat pump. • Patented dual-fuel logic for add-on heat pump applications. • Compatible with multi-stage and heat pump thermostats. • Expandable using TotalZone® Add-A-Zone® Panels. Controls up to 28 zones. • Uses any Honeywell four-wire thermostat to control any equipment including VisionPRO or FocusPRO. • Controls additional stages of heating and cooling based on: Time, adjustable from 5 to 30 minutes. Percent of zones calling. • Multi-stage or heat pump thermostats. • Built-in Emergency Heat switch eliminates need for expensive heat pump thermostat on each zone. Zone-A-Lone® allows zone 1 thermostat to set back all zones during unoccupied periods. • When opposite calls exist, TZ panel services mode calling first and either satisfies call within 20 minutes or drops it and switches over to opposite mode to satisfy that demand. When all calls are satisfied, TZ panel allows fan operation from any zone through Fan switch on each thermostat. • Setting Fan switch to On from any thermostat turns on fan and closes damper to zones with Fan switches set to Auto. • Additional features: • Resettable circuit breaker protects panel. • Visible LED indicators communicate operation. • Adjustable stage control timer. • Adjustable heating and cooling temperature limits for optional C7735A1000 Discharge Air Temperature Sensor (included). • Adjustable purge timings. Option two transformers for power when many dampers are needed. • Direct replacement for TZ-3.

Part No	Number of Stages	Heat Pump	Emerg Heat Sw	Number of Zones	Voltage	Auto Chang	Price
TZ-4	3 Heat/2 Cool	Yes	Yes	4 Zone, Expandable	24 Vac	Yes	\$670

HONEYWELL ZONE SYSTEMS

TZ4K ZONE CONTROL KIT



Four-zone panel designed to provide first call changeover from any zone thermostat. For most HVAC systems including single-stage and up to three stages of heating and two stages of cooling and heat pump. • Patented dual-fuel logic for add-on heat pump applications. • Compatible with multi-stage and heat pump thermostats. • Expandable using TotalZone® Add-A-Zone® Panels. Controls up to 28 zones. • Uses any Honeywell four-wire thermostat to control any equipment including VisionPRO or FocusPRO. • Controls additional stages of heating and cooling based on: Time, adjustable from 5 to 30 minutes. Percent of zones calling. • Multi-stage or heat pump thermostats. • Built-in Emergency Heat switch eliminates need for expensive heat pump thermostat on each zone. Zone-A-Lone® allows zone 1 thermostat to set back all zones during unoccupied periods. • When opposite calls exist, TZ panel services mode calling first and either satisfies call within 20 minutes or drops it and switches over to opposite mode to satisfy that demand. When all calls are satisfied, TZ panel allows fan operation from any zone through Fan switch on each thermostat. • Setting Fan switch to On from any thermostat turns on fan and closes damper to zones with Fan switches set to Auto. • Additional features: • Resettable circuit breaker protects panel. • Visible LED indicators communicate operation. • Adjustable stage control timer. • Adjustable heating and cooling temperature limits for optional C7735A1000 Discharge Air Temperature Sensor (included). AT140 transformer also included. • Adjustable purge timings. Option two transformers for power when many dampers are needed. • Direct replacement for TZ-3.

Part No	Number of stages	Heat Pump	Emerg Ht Sw	Number of Zones	Voltage	Auto Change	Price
TZ-4K	3H/2C	yes	yes	4, expandable	24 Vac	yes	\$728

HONEYWELL ZONE SYSTEMS

TOTALZONE ADD-A-ZONE (TAZ-4) ZONE CONTROL PANEL



• Used with TZ-4 Control Panel to expand number of zones. • Uses multiple TAZ-4 Control Panels to control up to 32 zones

Part No	Number of Stages	Number of Zones	Price
TAZ-4	3 heat/2 cool	Up to 4 Zones	\$368

HONEYWELL ZONE SYSTEMS

EMM-3 ELECTRONIC MINIZONE CONTROL PANEL (1H/1C)



EMM-3 Electronic MiniZone Panel Kit controls single-stage heating and cooling equipment and is used on two-and three-zone applications. Kit includes C7735A Discharge Air Temperature Sensor and an AT140A Transformer.

Part No	Number of Stages	Heat Pump Compatible	Emergency Heat Switch	Price
EMM-3	1 heat/1 cool	No	No	\$273

EMM-3K ELECTRONIC MINIZONE CONTROL PANEL (1H/1C) KIT



EMM-3 Electronic MiniZone Panel Kit controls single-stage heating and cooling equipment and is used on two-and three-zone applications. Kit includes C7735A Discharge Air Temperature Sensor and an AT140A Transformer.

Part No	Stages	Heat Pump	Emerg Heat Switch	Zones	Voltage	Auto Change	Price
EMM-3K	1 Heat/1 Cool	No	No	three zones	24 Vac	Yes	\$335

EMM-3U UNIVERSAL ELECTRONIC MINIZONE PANEL (2H/2C)



Controls single-stage, multi-stage, conventional or heat pump equipment and is used on two- and three-zone applications

- Compatible with single-stage, multi-stage, conventional or heat pump applications.
- Select virtually any Honeywell four-wire, single-stage, multi-stage, or Trol-A-Temp heat pump thermostat.
- Includes C7735A1000 Discharge Air Temperature Sensor for capacity control.
- System and Zone LEDs indicate system status.
- Automatic zone changeover with 20-minute changeover timer.
- Individual zone fan control.
- Thermal circuit breaker protects panel and transformer from damage if miss-wired.
- Purge timer protects equipment between calls for heating and cooling.
- Uses spring-open/power-closed, spring-closed/power-open, and power-open/power-closed dampers.
- Interfaces with single or dual transformer equipment.

Part No	Number of Stages	Heat Pump	Emerg Ht Sw	Voltage	Price
EMM-3U	2H/2C	Yes	Yes	24 AC	\$380

EMM-3UK UNIVERSAL ELECTRONIC MINIZONE PANEL (2H/2C) KIT



Controls single-stage, multi-stage, conventional or heat pump equipment and is used on two- and three-zone applications

- Compatible with single-stage, multi-stage, conventional or heat pump applications.
- Select virtually any Honeywell four-wire, single-stage, multi-stage, or Trol-A-Temp heat pump thermostat.
- Includes C7735A1000 Discharge Air Temperature Sensor for capacity control.
- System and Zone LEDs indicate system status.
- Automatic zone changeover with 20-minute changeover timer.
- Individual zone fan control.
- Thermal circuit breaker protects panel and transformer from damage if miss-wired.
- Purge timer protects equipment between calls for heating and cooling.
- Uses spring-open/power-closed, spring-closed/power-open, and power-open/power-closed dampers.
- Interfaces with single or dual transformer equipment.

Part No	Number of Stages	Heat Pump	Emer Ht Sw	Voltage	Price
EMM-3UK	2H/2C	yes	yes	24 VAC	\$445

ZONING

ZONE CONTROL PANELS--ACCESSORIES

Part No	Description	Price
C7735A1000	Discharge Air Temperature Sensor	\$88
FPC	FREEZE PROTECTION CONTROL	\$75
SPC	STATIC PRESSURE CONTROL	\$455

ZONE DAMPERS

AUTOMATIC ROUND DAMPERS (ARD)

24 VOLT



Round damper with 24-volt, spring return damper motor used to control volume of circulating air in heating, cooling, and ventilating systems.

Galvanized steel. • Single-blade damper. • Shipped as power closed/spring return open damper, for use with Honeywell Zoning Systems. • Can be field-converted to power open/spring return closed damper when used as an independent zone or for fresh air intake. • Blade closes off tightly against gasket for minimal leakage. • Rated to operate up to 1 in. wc. • Available in 5, 6, 7, 8, 9, 10, 12, 14, 16, 18, and 20 in. diameter.

Part No	Size	Price
ARD10	10 in.	\$233
ARD12	12 in.	\$243
ARD14	14 in.	\$270
ARD6	6 in.	\$220
ARD7	7 in.	\$220
ARD8	8 in.	\$225

ZONING

ZONE DAMPERS

ZD SERIES RECTANGULAR

24 VOLT



The ZD is a power close, and spring open damper. It has a 24-volt, spring-return, power-closed damper motor used to control circulating air in heating, cooling and ventilating systems. It is used when a normally-open damper is required. The ZD is typically used with the TotalZone® Systems and other electronic mini-zone damper systems. Kevlar gearing reduces wear, more than doubling damper life. • Adjustable range stops. • Mechanical visual position indicator for damper status. Solid construction using extruded aluminum frame and blades. • Parallel blade design for low leakage performance. • Quieter operation with fewer blades. • Simple, easy-to-wire, two-wire installation. • Reliable, strong, 24-volt spring-return motor. • Fail-safe, normally open operation. • Compatible with conventional and networked zoning.

Part No	Size	Type	Motor Mount	Price
ZD10X10	10 in. x 10 in.	Parallel Blade	10" side	\$315
ZD10X14	10 in. x 14 in.	Parallel Blade	14" side	\$375
ZD12X10	12 in. x 10 in.	Parallel Blade	10" side	\$323
ZD12X12	12 in. x 12 in.	Parallel Blade	12" side	\$368
ZD12X8	12 in. x 8 in.	Parallel Blade	8" side	\$310
ZD14X10	14 in. x 10 in.	Parallel Blade	10" side	\$330
ZD14X12	14 in. x 12 in.	Parallel Blade	12" side	\$385
ZD14X14	14 in. x 14 in.	Parallel Blade	14" side	\$413
ZD14X8	14 in. x 8 in.	Parallel Blade	8" side	\$315
ZD16X10	16 in. x 10 in.	Parallel Blade	10" side	\$340
ZD16X12	16 in. x 12 in.	Parallel Blade	12" side	\$393
ZD16X14	16 in. x 14 in.	Parallel Blade	14" side	\$423
ZD16X8	16 in. x 8 in.	Parallel Blade	8" side	\$318
ZD18X10	18 in. x 10 in.	Parallel Blade	10" side	\$348
ZD18X12	18 in. x 12 in.	Parallel Blade	12" side	\$405
ZD18X8	18 in. x 8 in.	Parallel Blade	8" side	\$323
ZD20X10	20 in. x 10 in.	Parallel Blade	10" side	\$355
ZD20X12	20 in. x 12 in.	Parallel Blade	12" side	\$413
ZD20X8	20 in. x 8 in.	Parallel Blade	8" side	\$328
ZD22X8	22 in. x 8 in.	Parallel Blade	8" side	\$335
ZD24X10	24 in. x 10 in.	Parallel Blade	10" side	\$373
ZD24X8	24 in. x 8 in.	Parallel Blade	8" side	\$343
ZD8x10	8 in. x 10 in.	Parallel Blade	10" side	\$298
ZD8X12	8 in. x 12 in.	Parallel Blade	12" side	\$350
ZD8X14	8 in. x 14 in.	Parallel Blade	14" side	\$355
ZD8X16	8 in. x 16 in.	Parallel Blade	16" side	\$360
ZD8X18	8 in. x 18 in.	Parallel Blade	18" side	\$368
ZD8x20	8 in. x 20 in.	Parallel Blade	20" side	\$373
ZD8X22	8 in. x 22 in.	Parallel Blade	22" side	\$380
ZD8x24	8 in. x 24 in.	Parallel Blade	24" side	\$388
ZD8X8	8 in. x 8 in.	Parallel Blade	8" side	\$295
ZD10X8	10 in. x 8 in.	Parallel Blade	8" side	\$298

ZONING

ZONE DAMPERS

MODULATING AUTOMATIC ROUND DAMPERS (MARD)



The Modulating Automatic Round Damper is a round damper with a 24-Vac, floating-control type modulating motor for bypass and zone damper control. • Uses 90-second open to closed motor. • Can be used as a zone damper. • ML6161 is replacement motor.

Part No	Size	Motor Timing	Price
MARD10	10 in.	90 seconds	\$328
MARD12	12 in.	90 seconds	\$328
MARD14	14 in.	90 seconds	\$348
MARD16	16 in.	90 seconds	\$388
MARD18	18 in.	90 seconds	\$413

STATIC PRESSURE REGULATING DAMPER (SPRD)



Single-blade, steel barometric damper used to bypass excess air when majority of zone dampers are closed.

• Counter-balanced weighted arm to control bypass air for zoned systems. • Available in rectangular/square and round sizes. • Air pressure in duct system increases as zone dampers close, pushing the SPRD open automatically. • Arm and weight both adjustable to control amount of air bypassed. • Recommended for low pressure systems with less than 0.5 in. wc. • For larger systems and tighter pressure control, use modulating dampers and static pressure controller (SPC). • Additional weights order number SPRD-W • Additional weights can be ordered separately. • Available in: Round sizes 7, 8, 9, 10, 12, 14 and 16 in. diameters. • Rectangular sizes (width x height) 12 x 8, 12 x 10, 12 x 12, 20 x 8, 20 x 10, 20 x 12 in.

Part No	Size	Price
SPRD10	10 in.	\$183
SPRD12	12 in.	\$188
SPRD12X10	12 in. x 10 in.	\$218
SPRD14	14 in.	\$188
SPRD8	8 in.	\$163
SPRD16	16 in.	\$210

MOTORS AND ACTUATORS DIRECT COUPLED

ML6161; ML7161 NON-SPRING RETURN DIRECT COUPLED DAMPER ACTUATORS



Used to control dampers in applications such as variable air volume (VAV) terminal units and for mounting on ball valves; suitable for use with SPDT or floating thermostats or building automation controls.

Part No	Damper Series	Control signal	Torque/Force	Timing Max	Price
ML6161B2024	MARD, D640	SPDT, Floating	35 lb-in. 4 Nm	90 sec	\$115

DAMPER ACTUATOR

M847D DAMPER ACTUATOR



The M847D is a two position, 24 Vac spring return actuator designed to operate ARD and ZD zone dampers.

Part No	Damper Series	Voltage	Price
M847D1012	ZD, ARD	24 VAC	\$160

ZONING

INTERFACE MODULES



New advanced zoning control system using the EnviraCom™ communications protocol. The most advanced and easiest to install zoning system in the industry. New control algorithm reduces and regulates plant cycles, decreases damper cycles, and increases efficiency. Creates a networked zoning system when combined with three T8635L Microelectronic Communicating Programmable Thermostats. • Expandable to nine zones with additional W8703 Damper Interface Modules and Thermostats. • Compatible with conventional gas, oil, electric or heat pump systems up to 3H/2C. • Unsurpassed ease-of-wiring with only three wires to connect between devices. • True communicating system using standard thermostat wire. • Networked zoning enables these features: Time synchronization. • Shared-filter indication. Outdoor temperature display in all zones with only one C7089B Outdoor Temperature Sensor connected. • Vacation Hold in all zones. • Selectable high and low equipment protection settings. • Adjustable stage timing. • Adjustable purge timing and damper positions. • Expandable up to nine zones with W8703 Damper Interface Module. • Single network can use up to nine T8635L Thermostats and two W8703 Damper Interface Modules to control nine zones. • Telephone access when used with optional W8735B Telephone Access Modules. • Uses Zone of Greatest Demand Intelligence. • Allows use of EnviraCom furnace board or traditional furnace boards. • Optional use of two transformers for power when many dampers are needed

Part No	Number of Stages	Voltage	Number of Zones	Heat Pump Compatible	Compatible with Supply Air Sensor	Auto Changeover	Resettable Fuse	Individual Zone Fan Control	Price
W8835A1004	3 Heat/2 Cool	24 Vac	3 Zone	Yes	Yes	Yes	Yes	Yes	\$530

COMMUNICATING REMOTE ACCESS MODULE

W8735 TELEPHONE ACCESS MODULE



The EnviraCom™ Serial Adapter allows a user to control Honeywell EnviraCom Communicating Thermostats, EnviraZone Systems, and other HVAC products by using any manufacturer's RS-232 compatible home automation control system.

- Use with T8635L Microelectronic Communicating Programmable Thermostat and W8635A or W8635B Equipment Interface Module.
- Can be used with W8735B Telephone Access Module.
- Allows easy integration to host controllers, gateways and computers.
- Uses standard DB-9 connector.
- Powered through EnviraCom bus; no external power source required.
- Uses true RS-232 signals; universally compatible.

Part No	Description	Price
W8735B1003	Telephone Access Module	\$695

COMMUNICATING REMOTE ACCESS MODULE

C7835 DISCHARGE AIR TEMPERATURE SENSOR



Duct-mounted temperature probe used to provide capacity control of heating and cooling equipment. Used with Honeywell Network Zoning System and single unit zone applications. • When mounted in supply air duct, DATS senses delivered air temperature and cuts off heating or cooling when delivered air temperature goes above or below normal operating limits. • Compares discharge air temperature to room air temperature and when out-of- tolerance, issues alert to W8735B. • Requires three wires. • Uses standard 18-22 gauge thermostat wire.

Part No	Description	Price
C7835A1009	Communicating Discharge Air Temperature Sensor	\$128

ZONING

COMMUNICATING REMOTE ACCESS MODULE

T8635 MICROELECTRONIC COMMUNICATING PROGRAMMABLE THERMOSTAT



The Microelectronic Communicating Programmable Thermostat supports conventional gas, oil, or electric applications (up to 3h/2c) when used with W8835 EnviraCOM zone control panel to control up to 3 zones. Up to 9 zones are possible when used with two W8703 modules. Controls up to 2H/2C 1 zone applications when used with W8635A Equipment Interface Module. When used with the W8635B Equipment Interface Module it controls up to 2H/1C heat pump 1 zone applications.

Part No	Description	Price
T8635L1013	EnviraCom Communicating Programmable Thermostat	\$273

HVAC DISTRIBUTORS INC

HYDRONIC EQUIPMENT

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LAARS HEATING SYSTEMS CO

SUMMIT

GAS-FIRED CONDENSING BOILER



Standard Equipment: • Factory wired and mounted 115V/24V transformer • Manual reset high limit • On/Off switch • Combustion air proving switch • Redundant safety gas valve • Internal circulating pump

Part No	Fuel Type	Input		Output		Water Conn Size	NOx Levels ppm	Price
		MBtu/Hr Input	Kw	MBtu/H Output	Kw			
SMB-200	NG/LP	126-199.9	37-59	114-179	33-53	1 1/4	13.5	\$12,768
SMB-250	NG/LP	126-257	37-59	114-231	33-53	1 1/4	13.5	\$13,108

HYDRONIC BOILERS

MINI-THERM JV



The MiniTherm II residential boilers are Category I (non-positive vent pressure, non-condensing), natural draft appliances. The heat exchanger combines the heat transfer efficiency of integral copper finned tubes with the mass of two cast-iron wet walls surrounding the combustion chamber. The units are available in a range of sizes to suit almost every residential and light commercial heating load while providing operational efficiencies of up to 84.5% AFUE.

• Venting: built-in draft diverter • Design certified/tested by CSA International • Natural or propane gas • Maximum working pressure: water 30 P.S.I., ASME rated • Hydrostatic test pressure at factory: 60 P.S.I. • Maximum gas supply pressure: Natural 10.5" W.C.; Propane 13" W.C. • Pressure relief valve: capacity in excess of boiler input rating • Material specifications per Section IV, ASME Code • Headers: cast iron per ASME requirements • Tubes: pure copper with integral formed external fins • Main burners: aluminized steel • Air supply: natural aspiration • Altitudes: 0 - 10,000 ft. • Floor under boiler: when used on combustible floor, a special base must be supplied (see Installation instructions, Document 1025 & rating plate) • Two-stage combustion system and operating controls (JVS sizes 100-225) • Electrical: 115V-60Hz-1PH less than 12 amperes 24V transformer mounted and wired • Pump relay: standard • Vent damper and wire harness • Blocked vent safety switch (B.V.S.S.) • Rollout safety switch • Up to 84% Thermal efficiencies @ high fire • 20 Year Limited Warranty

Numerous sizes and options available. Call for pricing.

Part No.	Description	Input	Heat Capacity	JVS Firing Mode	Price
		Btu Input			
JVS-050NDIS	Residential Gas-Fired Boiler	50,000	42,000	on/off	\$2,573
JVS-075NDIS	Residential Gas-Fired Boiler	75,000	63,000	on/off	\$2,763
JVS-100NDIS	Residential Gas-Fired Boiler	100,000	84,000	2 stage	\$3,068
JVS-125NDIS	Residential Gas-Fired Boiler	125,000	105,000	2 stage	\$3,193
JVS-160NDIS	Residential Gas-Fired Boiler	160,000	134,000	2 stage	\$3,415
JVS-225NDIS	Residential Gas-Fired Boiler	225,000	189,000	2 stage	\$4,188

HYDRONIC EQUIPMENT

HYDRONIC EQUIPMENT

LAARS HEATING SYSTEMS CO

HYDRONIC BOILERS

MINI-THERM JVI



• Design certified and tested by American and Canadian Gas Associations • Natural or propane gas • Maximum working pressure - water 30 p.s.i., ASME rated • Hydrostatic test pressure at factory - 60 p.s.i. • Material specifications as per Section IV, ASME Code • Designed and certified for placement on combustible floor (except carpeting) • Maximum gas supply pressure - Natural - 9" w.c., Propane - 14" w.c. • Pressure relief valve - capacity in excess of boiler input rating • Integral induced draft fan • Horizontal (Category III) or vertical (Category I) venting • Hot surface pilot ignition • Slide-out burner tray • Temperature/pressure gauge on outlet • Temperature gauge on inlet • Water headers - cast iron per ASME requirements • Water tubes - pure copper with integral formed external fins • Main burners - aluminized steel • Pump relay standard • Vent pressure safety switch • Flame rollout safety switch • Electrical - 115V/60Hz/1PH less than 12 Amps, 24V transformer mounted and wired • 20 Year Warranty - see Document 1136 for details • Air supply - natural aspiration

Numerous sizes and options available. Call for pricing.

Part No.	Description	Input		Output		Price
		Btu Input	Heat Capacity	Firing Mode	AFUE%	
JVIH-100NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	100,000	82,000	on/off	82.4	\$3,363
JVIH-125NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	125,000	102,500	on/off	82.4	\$3,583
JVIH-160NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	160,000	131,200	on/off	82.3	\$3,953
JVIH-225NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	225,000	184,500	on/off	82.2	\$4,770
JVIH-50NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	50,000	41,500	on/off	83.4	\$2,885
JVIH-75NCSS	Induced Draft Residential Gas-Fired Hydronic Boiler	75,000	62,300	on/off	83.2	\$3,088

MIGHTY STACK WATER HEATER



• 80 gallon (303 L) glass-lined storage tank c/w aluminum sacrificial anode and hand-hole clean-out • On/off tank aquastat • Manual reset high limit • Circulating pump • EM2 (Energy Management Monitor) Circulator time delay relay • 115/24 VAC power from class 2 transformer • 125 psi (861 kPa) A.S.M.E. pressure relief valve

Part No.	Volts	Working Pressure	Input	Output	Recovery Rate	Water Temperature Rise	Price
TL80-199N SKC-NG	120V	160 psi	199,000 Btu/Hr	164,000 Btu/Hr	197 GPH	100°F (55.6°C)	\$8,580

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HYDRONIC EQUIPMENT

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LAARS HEATING SYSTEMS CO

MIGHTY THERM VOLUME WATER HEATERS



MightyTherm® Water Heater

The MightyTherm series boilers and water heaters are Category I (non-positive vent pressure, non-condensing) natural draft appliances. They are available in a range of gas input rates (from 175 MBH to 5000 MBH) (51.2 kW to 1465 kW) and firing modes (single stage to motorized modulation) to ensure efficient operation (up to 83%) with most building or process heat loads. The MightyTherm series is available for either propane or natural gas fuels.

Greater energy efficiencies as high as 82% are achieved through state-of-the-art design. Efficient heat transfer and reduced standby losses result in lower operating costs.

Design-certified by IAS (International Approval Services, a joint venture of American Gas Association and Canadian Gas Association) under ANSI Standard Z21.13. Water heaters may be specified for use with natural or propane gas.

Working pressure of 160 psi is standard in accordance with Section IV ASME Boiler and Pressure Vessel Code. Units are factory tested per this ASME code and are registered with the National Board of Boiler and Pressure Vessel Inspectors or the applicable Canadian provincial jurisdiction.

Integral finned copper tubes meeting ASME specification SB 75 are rolled directly into headers. Heat exchanger baffles and an eight-fins-per-inch tubing configuration extract combustion heat with maximum efficiency.

Heat exchanger headers

conform to Article 2, Part HC of ASME Code. External header covers are field removable for complete inspection of tubing and header passages. Heat exchanger is replaceable without disassembly of burners or combustion chamber.

Pressure relief valve is ASME rated and is selected to provide discharge capacity in excess of unit heating input.

Burners are atmospheric type constructed of AISI alloy 430 (sizes 175-1825) or AISI 439 (sizes 2000-5000) stainless steel.

Controls meet requirements of ANSI Standard Z21.13 and the Canadian Gas Association standards and include ignition safeguard, manual reset high limit, operating temperature control, gas pressure regulator, redundant electric gas valve (optional in Canada), water flow sensing, and manual gas shutoff valve. Standard control systems operate on 24 VAC power from class 2 transformer. Ignition safeguard reacting to flame failure in less than 0.8 second is standard on units above 400,000 BTU/hr. (117.2 kW).

The limited warranty provides one year on materials and workmanship for controls, combustion chamber, pump and tank (when provided). Refer to the Warranty Sheet enclosed with each unit for further details.

Part No.	Description	Btu Input	Btu Output	Price
VW0175EN01C	Volume Water Heater	175,000	144,000	\$4,733
VW0250EN12C	Volume Water Heater (circulating storage tank type)	250,000	205,000	\$5,740
VW0325EN12K	Volume Water Heater (circulating storage tank type)	325,000	267,000	\$7,503
VW0400EN12C	Volume Water Heater (circulating storage tank type)	399,000	327,000	\$7,365
VW0500EN09K	Volume Water Heater (circulating storage tank type)	500,000	410,000	\$11,820
VW0715EN09K	Volume Water Heater (circulating storage tank type)	715,000	586,000	\$13,675

HYDRONIC EQUIPMENT

LAARS HEATING SYSTEMS CO

MIGHTY THERM HYDRONIC BOILER

HYDRONIC EQUIPMENT



The MightyTherm series boilers and water heaters are Category I (non-positive vent pressure, non-condensing) natural draft appliances. They are available in a range of gas input rates (from 175 MBH to 5000 MBH) (51.2 kW to 1465 kW) and firing modes (single stage to motorized modulation) to ensure efficient operation (up to 83%) with most building or process heat loads. The MightyTherm series is available for either propane or natural gas fuels.

Indoor available up to 5,000,000 btu, Outdoor available up to 4,500,000 btu

Energy efficiencies as high as 82% are achieved through state-of-the-art design. Efficient heat transfer and reduced standby losses result in lower operating costs.

Design-certified by IAS (International Approval Services, a joint venture of American Gas Association and Canadian Gas Association) under ANSI Standard Z21.13. Boilers may be specified for use with natural or propane gas.

Indoor and outdoor models are available for maximum application flexibility.

Working pressure of 160 psi is standard in accordance with Section IV ASME Boiler and Pressure Vessel Code. Units are factory tested per this ASME code and registered with the National Board of Boiler and Pressure Vessel Inspectors or the applicable Canadian provincial jurisdiction.

Integral finned copper tubes meeting ASME specification SB 75 are rolled directly into headers. Heat exchanger baffles and an eight-fins per-inch tubing configuration extract combustion heat with maximum efficiency.

Heat exchanger headers conform to Article 2, Part HC of ASME Code. External header covers are field removable for complete inspection of tubing and header passages. Heat exchanger is replaceable without disassembly of burners or combustion chamber.

Pressure relief valve is ASME rated and is selected to provide discharge capacity in excess of unit heat input.

Combustion chamber is Laars' lightweight cast refractory utilizing calcium aluminate cement with 2000°F (1093°C) working temperature.

Burners are atmospheric type constructed of AISI alloy 430 (sizes 175-1825) or AISI 439 (sizes 2000-5000) stainless steel.

Controls meet requirements of ANSI Standard Z21.13 and the Canadian Gas Association standards and include ignition safeguard, manual reset high limit, operating temperature control, gas pressure regulator, redundant electric gas valve (optional in Canada), water flow sensing, and manual gas shutoff valve. Standard control systems operates on 24 VAC power from class 2 transformer. Ignition safeguard reacting to flame failure in less than 0.8 second is standard on units above 400,000 BTU/hr. (117.2 kW).

Chassis and jacket parts are of galvanized steel meeting ASTM Standard for G90 coating. Exterior is finished with acrylic paint, thermoset at 325°F (163°C).

The limited warranty provides one year on materials and workmanship for controls, combustion chamber, pump and tank (if provided). Refer to the Warranty Sheet with each unit for further details.

Part No.	Desc	Btu Input	Btu Output	Working Pressure	Firing Mode	Location	Price
HH0175EN12K	Gas-fired Hydronic Boiler	175,000	144,000	160 psi (1103 kPa)	2 stage	outdoor	\$5,435
HH0175IN12K	Gas-fired Hydronic Boiler	175,000	144,000	160 psi (1103 kPa)	2 stage	indoor	\$6,483
HH0250EN12K	Gas-fired Hydronic Boiler	250,000	205,000	160 psi (1103 kPa)	2 stage	outdoor	\$6,215
HH0250IN12K	Gas-fired Hydronic Boiler	175,000	144,000	160 psi (1103 kPa)	2 stage	indoor	\$6,738
HH0325EN12K	Gas-fired Hydronic Boiler	325,000	267,000	160 psi (1103 kPa)	2 stage	outdoor	\$7,008
HH0325IN12K	Gas-fired Hydronic Boiler	325,000	267,000	160 psi (1103 kPa)	2 stage	indoor	\$7,705
HH0400EN12K	Gas-fired Hydronic Boiler	400,000	327,000	160 psi (1103 kPa)	2 stage	outdoor	\$7,748
HH0400IN12K	Gas-fired Hydronic Boiler	400,000	327,000	160 psi (1103 kPa)	2 stage	indoor	\$8,520

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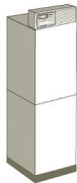
HYDRONIC EQUIPMENT

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LAARS HEATING SYSTEMS CO

MODULATING GAS-FIRED BOILER

ENDURANCE



- Design certified and tested to ANSI standard Z21.13 • Designed and constructed in accordance with the ASME Boiler & pressure Vessel Code, Sections II, IV, and IX • Maximum working pressure - water 30 psi, ASME rated • Hydrostatic test pressure at factory - 60 psi • Natural or propane gas • Minimum gas supply pressure - 4" w.c. • Maximum gas supply pressure - 13" w.c. • 85+% A.F.U.E. • Sealed stainless steel combustion chamber • Hot surface ignition • Automatic burner modulation from 57% to full fire • NO levels less than 25ppm • Venting - Direct vent (sealed combustion with ducted combustion air in concentric vent) or Category III • Design certified for installation directly on a combustible floor (except carpeting) • One-inch clearance on all 4 sides • Zero clearance from combustibles to the vent when concentric venting is used • Electrical: 115V-60HZ - 1PH less than 15 Amps with 24V transformer mounted and wired • Outdoor reset with the addition of outdoor air sensor (limited temperature range available for EBP models) • Control overrides outdoor reset when air sensor is faulty

Numerous sizes and options available. Call for pricing.

Part No.	Description	Input MBtu/H	Output MBtu/H	AFUE%	Price
EDP110-NG	Space Heating Boiler	61.8 to 108.2	53.7 to 94.0	85.5	\$5,245

NEWPORT BOILER

NEWPORT OIL FIRED BOILER



The highly efficient Newport from Trianco has AFUE's of 83% plus at every single firing rate without incurring the additional cost of vent dampers, (compare this to other vertical tube boilers). Our quality constructed Newport boiler consists of an ASME tested vessel, a raised flange for the domestic hot water coil and a front accessible combustion chamber for ease of service.

Standard Features

- Limited Lifetime Non-Prorated Warranty • Powder coated steel jacket • Heavy duty insulation & inspection port • Heavy gauge combustion chamber • Circulator (mounted) • Honeywell Aquastat L8124A • Raised coil flange with plated nuts • Flue turbulators • Tridicator • Beckett burner • Pressure relief valve • Units are completely packaged

Part No.	Description	Btu Input	Btu Output	GPH	AFUE%	DHW Coil	Price
NP100	Oil Boiler	120,000	105,000	1.00	83.1	5 gpm	\$3,765
NP110	Oil Boiler	133,000	116,000	1.10	83.1	5 gpm	\$3,765
NP125	Oil Boiler	150,000	130,000	1.25	83.7	5 gpm	\$4,310
NP135	Oil Boiler	160,000	160,000	1.35	83	5 gpm	\$4,310
NP150	Oil Boiler	177,000	154,000	1.50	83	5 gpm	\$4,310
NP85	Oil Boiler	103,000	90,000	.85	83.6	5 gpm	\$3,765

OIL-FIRED HEATING BOILER

MAX



- Honeywell Aquastat L8148 • 20 gauge jacket • Stainless steel flue turbulators • Heavy duty insulation • Pressure relief valve • Series counter flow vessel • Tridicator • TACO 007-F4 Circulator (not mounted) • Control center manifold • Beckett AF2/Carlin EZ1 burner • Automatic air elimination • Hinged front door

Part No.	Description	Input		Output		AFUE%	Price
		Btu Input	Btu Output	Firing Rate (gph)			
MAX-075	Low Mass Residential Boiler	105,000	91,350	.75		87	\$4,618
MAX-100	Direct Venting Model	140,000	121,100	1.0		86.5	\$4,615
MAX-120	Direct Venting Model	168,000	144,480	1.2		86	\$4,608

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HYDRONIC EQUIPMENT

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LAARS HEATING SYSTEMS CO

PENNANT BOILERS & WATER HEATERS

MODEL PNCH BOILERS



Features :

• Applications for Hydronic and Domestic Hot Water • Up to 85% efficiency • NOx below 10 ppm • 2-stage, 3-stage, and 4-stage firing • Immune to thermal shock down to 30°F • Operates in altitudes up to 10,000 feet • Ambient temperatures from -40°F to +140°F • Tolerant of glycol systems • Waterways able to operate in a maximum water Hardness of 17 gpg • Hydronic Models supply temps from 125°F to 220°F • Gas supply right or left side (field convertible) • Volume Water Heater models supply temps from 125°F to 210°F • Maintains efficiency and low NOx levels at all stages of firing. • Modular construction: burner trays, gas train, blower assembly • Glass-lined cast iron or bronze headers • Heat exchanger uses efficient 10 finned-tube design • Lightweight insulation • Construction suitable for rack mounting up to 2 boilers • Compliant end-walls to accommodate thermal expansion • Non-ferrous waterways to meet standards for volume water heaters • Backed by LAARS warranty and superior customer service • Two Pennants may be rack-mounted to save valuable floor space Flexible Venting • Category III (horizontal) venting, up to 50 feet with 3 elbows, without additional fans • Fan-assisted Category I venting with standard B-vent

Part No.	Description	Btu Input	Btu Output	Fuel	Price
PNCH0500NACKCJX	Hydronic boiler	500,000	425,000	Natural Gas	\$16,375
PNCH0750NACKCJX	Hydronic boiler	750,000	638,000	Natural Gas	\$17,990
PNCH1000NACNCJX	Hydronic boiler	999,000	849,000	Natural Gas	\$22,150
PNCH1250NACLCJX	Hydronic boiler	1,250,000	1,063,000	Natural Gas	\$25,360
PNCH1500NACLCJX	Hydronic boiler	1,500,000	1,275,000	Natural Gas	\$28,638
PNCH1750NACLCJX	Hydronic boiler	1,750,000	1,488,000	Natural Gas	\$34,673
PNCH2000NACLCJX	Hydronic boiler	1,999,000	1,699,000	Natural Gas	\$34,673

MODEL PNCV WATER HEATERS



Features :

• Applications for Hydronic and Domestic Hot Water • Up to 85% efficiency • NOx below 10 ppm • 2-stage, 3-stage, and 4-stage firing • Immune to thermal shock down to 30°F • Operates in altitudes up to 10,000 feet • Ambient temperatures from -40°F to +140°F • Tolerant of glycol systems • Waterways able to operate in a maximum water Hardness of 17 gpg • Hydronic Models supply temps from 125°F to 220°F • Gas supply right or left side (field convertible) • Volume Water Heater models supply temps from 125°F to 210°F • Maintains efficiency and low NOx levels at all stages of firing. • Modular construction: burner trays, gas train, blower assembly • Glass-lined cast iron or bronze headers • Heat exchanger uses efficient 10 finned-tube design • Lightweight insulation • Construction suitable for rack mounting up to 2 boilers • Compliant end-walls to accommodate thermal expansion • Non-ferrous waterways to meet standards for volume water heaters • Backed by LAARS warranty and superior customer service • Two Pennants may be rack-mounted to save valuable floor space Flexible Venting • Category III (horizontal) venting, up to 50 feet with 3 elbows, without additional fans • Fan-assisted Category I venting with standard B-vent

Part No.	Description	Btu Input	Btu Output	Fuel	Price
PNCV0500NACKBJX	Volume Water Heater	500,000	425,000	Natural Gas	\$17,883
PNCV0750NACKBJX	Volume Water Heater	750,000	638,000	Natural Gas	\$19,500
PNCV1000NACNBJX	Volume Water Heater	999,000	849,000	Natural Gas	\$24,333
PNCV1500NACLBjX	Volume Water Heater	1,500,000	1,275,000	Natural Gas	\$31,020
PNCV1750NACLBjX	Volume Water Heater	1,750,000	1,488,000	Natural Gas	\$34,323
PNCV2000NACLBjX	Volume Water Heater	1,999,000	1,699,000	Natural Gas	\$37,238

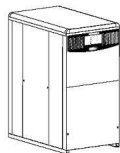
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LAARS HEATING SYSTEMS CO

RHEOS

CONDENSING BOILER AND WATER HEATER



• Water flow switch • Low water cutoff with test light and manual reset button • Manual reset high limit • High gas pressure switch • Low gas pressure switch • Air pressure switch • Low-fire start time delay • Modulation capabilities down to 25% of full fire • ASME CSD-1 • Temperature and pressure gauge • Indicator/status lights for: Power On, Call for Heat; Pre-Purge; Burner On; Ignition Failure • Selector switch for internal or external (0-10VDC) control • 100% lockout ignition contr • Copper primary heat exchanger • Stainless steel secondary heat exchanger • Internal water mixing system to allow minimum 70°F water inlet • Condensate overflow protection switch • Leak test valve • Manual firing valve • ASME 160 lb. w.p. heat exchanger • Less than 10ppm NOx • Pump mounted • Pump time delay (adjustable 0.1 - 10 min.) • 75 psi pressure relief valve (RHHH) • 125 psi pressure relief valve (RHHV)

Numerous sizes and options available. Call for pricing.

Part No.	Description	Input, High Fire	Output, High Fire	Input, Low Fire	Output, Low Fire	Vent Size (Cat IV)	Combustion Air Size	Shipping Weight	Price
RHHH1200	Hydronic Boiler	1,200 MBtu	1,080 MBtu	300 MBtu	270 MBtu	6"	6"	1420 Lbs 645 Kg	Call for Price
RHHH1600	Hydronic Boiler	1,600 MBtu	1,440 MBtu	400 MBtu	360 MBtu	6"	8"	1420 Lbs 645 Kg	Call for Price
RHHH2000	Hydronic Boiler	2,000 MBtu	1,800 MBtu	500 MBtu	450 MBtu	7"	8"	1420 Lbs 645 Kg	Call for Price
RHHH2400	Hydronic Boiler	2,400 MBtu	2,160 MBtu	600 MBtu	540 MBtu	10"	8"	1420 Lbs 645 Kg	Call for Price
RHHV1200	Volume Water Heater	1,200 MBtu	1,080 MBtu	300 MBtu	270 MBtu	6"	6"	1420 Lbs 645 Kg	Call for Price
RHHV1600	Volume Water Heater	1,600 MBtu	1,440 MBtu	400 MBtu	360 MBtu	6"	8"	1420 Lbs 645 Kg	Call for Price
RHHV2000	Volume Water Heater	2,000 MBtu	1,800 MBtu	500 MBtu	450 MBtu	7"	8"	1420 Lbs 645 Kg	Call for Price
RHHV2400	Volume Water Heater	2,400 MBtu	2,160 MBtu	600 MBtu	540 MBtu	10"	8"	1420 Lbs 645 Kg	Call for Price

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PEERLESS BOILERS

PEERLESS PINNACLE

HIGH EFFICIENCY STAINLESS STEEL BOILERS



The Peerless® Pinnacle® gas-fired boiler is available for either natural or LP gas and is offered in six sizes, including three new models. High-grade stainless steel construction assures the boiler's durability. The new metal mesh burner elements improve turndown and reduce emissions. The compact, lightweight design of the boiler allows for maximum installation flexibility. Features such as a fully modulating burner, spark ignition, safety relief valve, and the Gas Valve - Venturi System ensure safe, efficient operation. Two new Pinnacle models are available as wall-mounted units. A third new model - the PI-399 - offers 95% combustion efficiency in a commercial-size boiler (please reference the Pinnacle PI-399 on our website for additional information). The Pinnacle boiler is as quiet as most home appliances. As with all Peerless products, a comprehensive warranty and the dependable Peerless name back the Pinnacle boiler.

Every Peerless Pinnacle boiler is equipped with a P125 Control Board that offers state-of-the-art technology. Supply and return temperatures, flame signal and fan speed (firing rate) can all be viewed from the improved LED digital display module for enhanced boiler serviceability. A switch to "service mode" enables contractors to manually control the firing rate. An optional interface module allows for the control of outdoor reset, dual temperature setpoints and modulating sequencing of multiple boilers. Also available is PC software to display boiler status and fault history.

Part No.	Btu Input	Dimensions		AFUE %	Weight (lbs)	Price
		DOE Htg Capacity				
PI-140-NG	140,000	74,000		92.0	101	\$6,860
PI-199-NG	199,000	183,000		92.0	111	\$8,223
PI-399-NG	399,000	379,000		92.0	252	\$15,975
PI-80-NG	80,000	64,000		92.0	75	\$6,860
PIT-50-NG	50,000	46,000		92.0	58	\$5,103
PIT-80-NG	80,000	74,000		92.0	58	\$6,860

CONCENTRIC VENT FOR PINNACLE BOILERS



Part No.	Description	Price
91402	3" Vent Termination	\$198
91403	3" PVC Concentric Vent Kit	\$198

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PEERLESS BOILERS

RESIDENTIAL GAS BOILERS

SERIES MI



The improved Series MI residential, cast iron, hot water boiler is fully packaged and ready to install. This atmospheric, gas-fired boiler is designed for natural draft use with a conventional chimney. The Series MI boiler is available with either standing pilot or intermittent ignition, and is available as natural or LP gas. The integral draft diverter provides a low-profile design, allowing the boiler to be installed in areas with low clearance. Standard Honeywell controls are easily accessible, making the Series MI boiler simple to install and service. Standard equipment includes a Taco circulator, a flame rollout safety shutoff switch and a vent safety shutoff switch

Part No.	Fuel	Btu Input	DOE Htg Capacity	Venting	Ignition	Jacket Depth		Price
						Weight (lbs)	Vent Sz (in)	
MI-03-SPRK-N	Nat Gas	70,000	58,000	Natural Draft	Intermittent	315	5	\$2,980
MI-03-STDG-N	Nat Gas	70,000	58,000	Natural Draft	stdg pilot	315	5	\$2,525
MI-04-SPRK-N	Nat Gas	105,000	85,000	Natural Draft	Intermittent	375	5	\$3,323
MI-04-STDG-N	Nat Gas	105,000	85,000	Natural Draft	stdg pilot	375	5	\$2,810
MI-05-SPRK-N	Nat Gas	140,000	115,000	Natural Draft	Intermittent	435	6	\$3,730
MI-05-STDG-N	Nat Gas	140,000	115,000	Natural Draft	stdg pilot	435	6	\$3,198
MI-06-SPRK-N	Nat Gas	175,000	143,000	Natural Draft	Intermittent	505	6	\$4,345
MI-06-STDG-N	Nat Gas	175,000	143,000	Natural Draft	stdg pilot	505	6	\$4,075
MI-07-SPRK-N	Nat Gas	195,000	160,000	Natural Draft	Intermittent	575	7	\$4,855
MI-07-STDG-N	Nat Gas	195,000	160,000	Natural Draft	stdg pilot	575	7	\$4,618

SERIES DE



The Series DE boiler is a residential, gas-fired, cast iron boiler for hot water heating systems. Fully packaged and ready to install, the Series DE boiler is designed for use with a conventional chimney or direct exhaust (through-the-wall) venting. The direct exhaust option is ideal for applications where a chimney is inadequate or unavailable. Available with standard intermittent ignition, the Series DE boiler is available either natural or LP gas. Also standard on the Series DE boiler are Honeywell operating controls and a Taco circulator. The Series DE boiler is available in 4 sizes (3 - 6 sections), with inputs from 70.0 to 165.0 MBH. Cast iron sections are factory tested and assembled with steel push nipple **Numerous sizes and options available. Call for pricing.**

Part No.	BTU Input	Htg Capacity	AFUE %	Wtr Content(gal)	Price
DE-03-SV-WPC-N	70,000	58,000	82.1	4.72	\$3,228
DE-04-SV-WPC-NG	105,000	87,000	82	6.00	\$3,575
DE-05-SV-WPC-NG	140,000	116,000	82	7.28	\$4,035
DE-06-SV-WPC-NG	165,000	136,000	82	8.56	\$4,675

HYDRONIC EQUIPMENT

HYDRONIC EQUIPMENT**PEERLESS BOILERS****DIRECT VENT, SEALED COMBUSTION RESIDENTIAL GAS BOILERS****SERIES PSC**

The Series PSCII boiler is a direct vent, sealed combustion boiler for hot water heating systems. Fully packaged and ready to install, the Series PSCII residential, gas-fired boiler is designed for through-the-wall direct venting. Through the roof venting is an option. Using outside air for combustion, direct venting is ideal for applications where the chimney is inadequate or unavailable. A unique sidewall thimble with screened vent termination is provided and requires only one hole in the outside wall. Available with standard intermittent ignition, the Series PSCII boiler is available as natural or LP gas fired. Honeywell operating controls and a Taco circulator are offered as standard equipment. The Series PSCII boiler is available in 4 sizes (3-6 sections), with inputs from 65.0 to 150.0 MBH. Cast iron sections are factory tested and assembled with steel push nipples.

Part No.	Construction	Fuel	Input	Output	Venting	Trim	Ignition	Price
PSC-03	Cast Iron	Gas-Fired (Natural or LP)	70,000	58,000	Sealed Combustion, Direct Vent	Water	Fan Assisted Intermittent	Call for Price
PSC-04	Cast Iron	Gas-Fired (Natural or LP)	105,000	88,000	Sealed Combustion, Direct Vent	Water	Fan Assisted Intermittent	Call for Price
PSC-05	Cast Iron	Gas-Fired (Natural or LP)	140,000	117,000	Sealed Combustion, Direct Vent	Water	Fan Assisted Intermittent	Call for Price
PSC-06	Cast Iron	Gas-Fired (Natural or LP)	175,000	146,000	Sealed Combustion, Direct Vent	Water	Fan Assisted Intermittent	Call for Price

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PEERLESS BOILERS

RESIDENTIAL/COMMERCIAL GAS BOILERS

SERIES GM



The Series GM cast iron, hot water boiler is ideal for use in large residences or commercial applications. This natural gas, atmospheric boiler is designed for use with a conventional chimney for simple installations.

Available in four sizes, the Series GM boiler features front mounted controls in the boiler vestibule for safe operation and easy servicing. Boilers are available with 30, 50, 80 or 100 psi safety relief valves, and are packaged and designed with the return piping located in the front and the supply piping at the top/front of the boiler. These features provide installation flexibility and allow the Series GM boiler to be used for any single, modular, or multiple boiler job.

A vertical draft hood and deluxe insulated enameled steel jacket are standard on all Series GM boilers. Five and six- section boilers feature a standard vent damper (optional on seven and eight-section boilers). Steel push nipples on all boilers assure a water-tight seal between sections for a lifetime of dependability.

All Series GM boilers are available with standard intermittent ignition provided by the Honeywell SmartValve® System. This system provides the safety and ignition functions in one device for simple, dependable operation. Five and six-section boilers are also available with optional standing pilot ignition. The Series GM five and six-section boilers exceed the federal standards for residential AFUE and the seven and eight-section boilers meet the ASHRAE 90.1 efficiency minimum as required by federal standards for commercial boilers. **Numerous sizes and options available. Call for pricing.**

Part No.	Input (btu/hr)	Vent Connector Size D	Water Content	Price
		(Inch)	(gal)	
GM-05	228,000	7	6.15	Call for price
GM-06	285,000	7	7.2	Call for price
GM-07	342,000	7	8.25	Call for price
GM-08	399,000	7	9.30	Call for price

HYDRONIC EQUIPMENT

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PEERLESS BOILERS

RESIDENTIAL/SEMI-COMMERCIAL GAS BOILERS

SERIES 63/64



The Series 64 boiler from Peerless is a semi-commercial, atmospheric, gas-fired boiler for hot water or steam systems. Ranging from seven to 12 sections in six sizes, the Series 64 boiler has an 81% combustion efficiency and an input of 345 to 632.5 MBH. The Series 64 boiler is offered as either a packaged unit or knockdown with factory assembled split block sections for ease of handling. The boiler is available for either natural or LP gas with spark ignition (seven and eight section boilers are also available with standing pilot ignition). A single vent draft hood allows for natural draft (chimney) venting. The Series 64 boiler features a sizeable water content ideal for steam and large volume, hot water jobs. All boilers have steel push nipples that provide a permanent, watertight seal between sections, and a manual reset high limit control. Steam boilers offer a float type low water cut-off and skim tapping for thorough cleaning. Standard equipment on the Series 64 boiler include Honeywell operating controls and a deluxe, insulated, enameled steel jacket that completely encloses gas valves and burners, to reduce boiler heat loss. The low profile design of the boiler allows it to be used in limited clearance installations. **Numerous sizes and options available. Call for pricing.**

Part No.	Type	Construction	Input	Flue Size(in)	Price
64-07	Semi-Commercial	Cast Iron	345,000	9	Call for Price
64-08	Residential	Cast Iron	399,000	10	Call for Price
64-09	Residential	Cast Iron	460,000	10	Call for Price
64-10	Residential	Cast Iron	517,500	12	Call for Price
64-11	Residential	Cast Iron	575,000	12	Call for Price
64-12	Residential	Cast Iron	632,500	12	Call for Price

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PEERLESS BOILERS

COMMERCIAL ATMOSPHERIC GAS BOILER

SERIES 211A



- Commercial Atmospheric Gas Boiler
- Packaged, Assembled Block (to 19 Sections Only) or Individual Sections
- Natural Draft Venting
- 630 to 9,450 MBH Input
- Steam or Hot Water Boilers
- Natural or LP Gas

Boiler efficiencies are compliant with federal and ASHRAE 90.1 requirements. Optional Mod-U-Pak unique three-stage firing system provides improved boiler response and fuel economy. The built-in horizontal to vertical draft hood and aluminized steel flue collector provide a low boiler profile to allow installation in areas with low head room. The unique finned, tubular sections are spaced evenly using spacing rings which allow the sections to maintain their as-cast skin, providing maximum corrosion resistance and longer life.

The Peerless Flow Port flexible seals assure a water-tight fit while providing faster boiler assembly and allow the sections to expand and contract independently. The exclusive Peerless access design, from both ends, allows easy accessibility to the flueways for inspection and cleaning, without removing the entire jacket. Also, optional tankless coils can be used to assure adequate domestic hot water production on water boilers only.

Numerous sizes and options available. Call for pricing.

Part No.	Constructi on	Fuel	Input	Output	Vent Size(in)	Trim	Ignition	Price
211A-04	Cast Iron	Gas-Fired (Natural or LP)	630 MBH	504 MBH	12	Water or Steam	Standing Pilot or Spark	Call for Price
211A-05	Cast Iron	Gas-Fired (Natural or LP)	840 MBH	672 MBH	12	Water or Steam	Standing Pilot or Spark	Call for Price
211A-06	Cast Iron	Gas-Fired (Natural or LP)	1,050 MBH	840 MBH	14	Water or Steam	Standing Pilot or Spark	Call for Price
211A-07	Cast Iron	Gas-Fired (Natural or LP)	1,260 MBH	1,008 MBH	14	Water or Steam	Standing Pilot or Spark	Call for Price
211A-08	Cast Iron	Gas-Fired (Natural or LP)	1,470 MBH	1,176 MBH	15	Water or Steam	Standing Pilot or Spark	Call for Price
211A-09	Cast Iron	Gas-Fired (Natural or LP)	1,680 MBH	1,344 MBH	16	Water or Steam	Standing Pilot or Spark	Call for Price
211A-10	Cast Iron	Gas-Fired (Natural or LP)	1,890 MBH	1,512 MBH	17	Water or Steam	Standing Pilot or Spark	Call for Price

HYDRONIC EQUIPMENT

PEERLESS BOILERS

COMMERCIAL OIL, GAS OR COMBINATION GAS/OIL BOILERS

SERIES TC



The Series TC cast iron boiler can be used in either hot water or steam systems. The oil, gas or combination gas/oil-fired boiler is available in 15 sizes and is ideal for large commercial applications. The Series TC boiler is designed with forced draft firing to provide the highest possible efficiencies. The boiler's gross output ratings range from 900 to 4,629 MBH. Series TC boilers are constructed of rugged, cast-iron, wet-base sections with cast-in heat extraction pins that assure durability and top performance. Hi-temperature, flexible, graphite port connectors, and short, individual draw rods simplify installation. Front and rear flame observation ports aid burner setup. All Series TC boilers are available with a standard, built-in cast iron flue collector with integral damper and a burner mounting plate with insulation block. Steel angle floor rails and ceramic fiber rope seal between sections are also standard. Series TC boilers feature 80 psi working pressure sections. A 30 psi ASME safety relief valve is standard on water boilers. Steam boilers include a 15 psi ASME side outlet safety valve and steam gauge. All Series TC boilers are equipped with an insulated enameled steel jacket. Peerless Series TC boilers are available with your choice of Beckett, Carlin, Power Flame, Gordon Piatt or Webster burners. **Numerous sizes and options available. Call for pricing.**

Part No.	Oil Input GPH	Gas Input	Vent Size(in)	Price
TC-04	8.0	1,154 MBH	10	Call for Price
TC-05	10.4	1,491 MBH	10	Call for Price
TC-06	12.6	1,827 mbh	10	Call for Price
TC-07	15.0	2,163 mbh	12	Call for Price
TC-08	17.4	2,499 mbh	12	Call for Price
TC-10	22.0	3,172 mbh	14	Call for Price
TC-11	24.5	3,508 MBH	14	Call for Price
TC-12	26.5	3,844 MBH	14	Call for Price

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PEERLESS BOILERS

STEAM OR HOT WATER BOILERS

SERIES SC/SCT



Features:

- Semi-Commercial Gas Packaged or Knockdown
- Forced Draft Venting
- Power Burner Oil, Gas, Gas/Oil
- Steam or Hot Water Boilers
- Optional Tankless Coils

Available from the factory as knockdown split blocks or completely packaged assembled units, with steel push nipples, for easy installation. The top or side clean out features allow for easier cleaning, maintaining highest operating efficiency. Pressurized, forced draft firing requires only a three foot vent above the roof, without the need for a chimney, for simple installations.

The SC and the SCT hot water boilers provide optional tankless domestic hot water openings for versatility. The SCT designation indicates that an optional, larger, tankless domestic hot water coil can be installed in its specially designed rear section for steam or hot water boilers, insuring ample domestic hot water production. **Numerous sizes and options available. Call for pricing.**

Part No.	Gross IBR Output	Boiler HP	Oil Input GPH	Gas Input BTU	Net IBR (wtr/stm mbh)	Steam Sq Ft	Price
SC/SCT-05	343,000	10.2	3.00	433,000	298/257	1,071	Call for Price
SC/SCT-06	405,000	12.1	3.50	505,000	352/304	1,267	Call for Price
SC/SCT-07	462,000	13.8	4.00	577,000	402/347	1,446	Call for Price
SC/SCT-08	519,000	15.5	4.50	649,000	451/389	1,621	Call for Price
SC/SCT-09	575,000	17.2	5.00	722,000	500/431	1,796	Call for Price
SC/SCT-10	632,000	18.9	5.50	794,000	550/474	1,975	Call for Price

HYDRONIC EQUIPMENT

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PEERLESS BOILERS

RESIDENTIAL OIL BOILERS

SERIES EC/ECT



The Series EC/ECT is a residential, oil-fired boiler for steam or hot water systems. Available as a packaged or knockdown unit, the Series EC/ECT is for use with natural draft (chimney) venting. The large water content of the boiler makes it ideal for steam and large volume hot water applications. Features include steel push nipples that provide a permanent water tight seal between sections, and a deluxe, insulated enameled steel jacket that reduces boiler heat loss. A full plate swing-out door on the Series EC/ECT allows for quick and easy boiler cleaning. Honeywell operating controls, a Taco circulator, and a float type low water cut-off on packaged steam boilers are all standard equipment on Series EC/ECT boilers.

High Efficiency, Flame Retention Burners - Peerless Series EC/ECT boilers are available with your choice of Beckett, Carlin or Riello burners. These burners feature a high voltage, solid state igniter that improves ignition, and a state of the art motor that results in a lower amp draw and cooler operation. Burners also include a solid state control with interrupted ignition, limited recycle and reset, a pre-purge and other features that assure dependable service. The combination of the advanced control and a solenoid oil valve results in cleaner and quieter burner operation.

Part No.	Btu Input	GPH	Gross output(wtr)	Gross output(stm)	AFUE % (wtr/stm)	Wtr Content(wtr/stm) gal	Price
ECT-03-SP	105,000	0.75	92,000	91,000	86.6/85.4	17.4/14.1	\$4,950
ECT-03-SP	140,000	1.00	121,000	120,000	85.3/84.4	17.4/14.1	\$4,950
ECT-03-SP	168,000	1.20	144,000	142,000	83.9/82.9	17.4/14.1	\$4,950
ECT-04-SP	175,000	1.25	152,000	151,000	86.1/85.1	21.7/17.2	\$5,685
ECT-04-SP	210,000	1.50	181,000	180,000	85.2/84.5	21.7/17.2	\$5,685
ECT-04-SP	245,000	1.75	209,000	208,000	84.5/83.8	21.7/17.2	\$5,685
ECT-05-WU	245,000	1.75	214,000	212,000	86.2/85.6	26/20	\$5,580
ECT-05-WU	280,000	2.00	241,000	240,000	85.2/84.6	26/20	\$5,580
ECT-05-WU	350,000	2.50	286,000	286,000	84.1/84.1	26/20	\$5,580
ECT-06-WU	385,000	2.75	321,000	321,000	84.4/84.4	30.3/23.5	\$6,545
ECT-06-WU	420,000	3.00	347,000	347,000	83.7/83.7	30.3/23.5	\$6,545

SERIES WBV/WV



• Packaged or Knockdown Oil Boilers • Natural Draft Venting • Flame Retention Burners • Steam or Hot Water Boilers • Optional Tankless Coils • Rear or Top Flue Convertibility • Skim Tapping for Cleaning Steam Boilers • Trim: Water or Steam

Numerous sizes and options available. Call for pricing.

Part No.	BTU Input	GPH	Htg Capacity(wtr/stm)	AFUE % (wtr/stm)	Wtr Content(wtr/stm)	Price
WBV-03-WPCTL	119,000	0.85	102/101	83.8/83.1	11.7/12	\$3,365
WBV-03-WPCTL	154,000	1.10	129/129	81.9/82	11.7/12	\$3,365
WBV-03-WPCTL	84,000	0.60	74/na	86.1/na	11.7/na	\$3,365
WBV-04-WPCTL	133,000	0.95	116/na	86.1/na	14.7/na	\$3,873
WBV-04-WPCTL	175,000	1.25	150/149	83.9/83	14.7/14.8	\$3,873
WBV-04-WPCTL	210,000	1.50	178/177	82.8/82.2	14.7/14.8	\$3,873

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PEERLESS BOILERS

DIRECT VENT, RESIDENTIAL OIL BOILERS

SERIES WV-DV



The Series WV-DV direct vent boiler is available with a choice of Riello BF5, Beckett AFII or Carlin EZ-1 high efficiency, sealed combustion, flame retention burners. The burners operate at three firing rates-0.75, 0.85 and 1.10 GPH-and provide heating capacities from 92,000 to 131,000 MBH. The 0.75 and 0.85 GPH firing rates produce AFUE ratings of 85% or higher, earning those boiler models the ENERGY STAR® symbol used to identify high-efficiency products. All Series WV-DV firing rates have AFUE ratings that significantly exceed the federal energy standards for residential boiler efficiency.

Part No.	Desc	Constructi on	Input	Output	Burner Input GPH	Trim	Price
91776	Concentric vent kit	na	na	na	na	na	\$581
WVDV-03-WPC-B	Direct-vent boiler	Cast Iron	105, 119, 154 MBH	92, 103, 131 MBH	0.75,0.85,1.10	Water	\$5,775
WVDV-04-WPC-B	Direct-vent boiler	Cast Iron	161,182 MBH	139,156 MBH	1.15, 1.30	Water	\$6,953

INDIRECT-FIRED WATER HEATERS

PEERLESS PARTNER



Part No.	Volume(gal)		Standby Loss	1st Hr Rating (Gal/Hr)	Minimum Heat Source			Price
	Potable	Heat Source			Draw (Gal/Hr)	Output(Btu/Hr)	Flow(Gpm)	
PP-40	37.5	0.6	1.2	214	35	112	10.0	\$2,090

HYDRONIC EQUIPMENT

HYDRONIC EQUIPMENT

QUIETSIDER HIGH EFFICIENCY BOILERS

DUAL PURPOSE HYDRONIC GAS BOILER

**QVM9 COMBINATION BOILER**

MODEL RANGE : 90,000 ~ 135,000 BTU

THE CONDENSING GAS, WALL-MOUNTED, MULTI-PURPOSE, HYDRONIC HEATING SYSTEM

A Complete Multi-Purpose Heating System. 90+% Efficient Condensing Operation. Smooth, Quiet and Vibration-Free. Easy to Handle, Set and Install. Durable, Steel Cabinet / Attractive Styling. Easy to Service, Simple to Maintain. Variable Input Gas Valve. Sealed-Combustion Venting Design. Separate Potable / Non-Potable Water. Built-in Circulator Pump & Motor. Built-in, Pressurized Expansion Tank. Appliance-Grade, Baked Enamel Finish. Self Diagnosing Circuitry. Outdoor Termination Kit Included. Year-After-Year, Dependability & Savings. MODEL RANGE : 90,000 ~ 135,000 BTU

KEY FEATURES

Full, Dual Function Heating Design. Provides Hi-Temp Water for Heating the Home. Natural to Propane Gas Conversion Kit. Provides Warm Water for Bathing & Washing. Sealed Combustion 2-Pipe Venting System. Controls Both Water Functions Separately. Modulating Gas for Precision Temperatures. On-Demand Hot Water Delivery. Built-in Circulator Pump Assembly. Compact, Space-saving Design. Built-in Expansion Tank. Quiet, Vibration-free Operation. Built-in Freeze Protection. 10 / 5-Heat Exchanger Warranty. Digitally Controlled, Full-Logic Thermostat. 1-Year Parts Warranty.

Part No.	Heat Input (Btu/H)	AFUE (%)	Ignition Type	Fuel Type	Weight (Lbs)	Width (Inch)	Depth (Inch)	Price
QVM9-090W1-NG	46,000 - 90,000	90	Electronic Spark	NG or LP	75	19 1/2"	8 1/2"	\$4,158
QVM9-125W1-NG	55,000 - 115,000	90	Electronic Spark	NG or LP	79	19 1/2"	8 1/2"	\$4,328
QVM9-150W1-NG	65,000 - 135,000	90		NG or LP	84	20 1/4"	9 5/8"	\$4,795

HYDRONIC OIL BOILER

**QXM8 OIL BOILER**

68,000 ~ 153,000 BTU OIL FIRED, FLOOR-MOUNTED, MULTI-PURPOSE, HYDRONIC HEATING SYSTEM

Extreme High Efficiency 89+%. Quiet, Vibration-Free Operation. All Stainless, Heavy Duty Construction. Attractive Finish, Cabinet and Styling. Easy to Handle, Set to Install. Built-in Temperature-control Module. Separated Potable / Non-Potable Connections. Sealed-Combustion Venting Design. Left / Right-Hand Plumbing Connections. Easy to Service, Inexpensive to Maintain. Operate-year after year. Most Convenient to Operate Boiler in the World.

KEY FEATURES

Heavy Gauge, Stainless Steel Construction. Provides Hi-Temp Water for Heating the Home. Power-Vent, 2-Pipe Combustion Process. Provides Warm Water for Bathing & Washing. Full, Dual Function Heating Design. Controls Both Water Functions Separately. Clean, High-Efficient Combustion Design. Compact, Space-saving Design. Operating Functions Displayed During Sequence. Closed-Loop Heating Operation. Continuous Hot Water Delivery. Built-in Freeze Protection. Quiet, Vibration-free Operation. 5-Year Heat Exchanger Warranty. Fuel Oil #2 Model. 1-Year Parts Warranty.

Part No.	AFUE %	Ignition Type	Fuel Type	Weight (Lbs)	Price
QXM8-120F1-OL	85	Electronic spark	Oil	106	\$3,615
QXM8-150F1-OL	85	Electronic spark	Oil	150	\$3,615

VENT KIT



Part No.	Description	Kit Qty	Price
SCF-9	Vent Kit For QVM8 Series	1 ea.	\$163

HVAC DISTRIBUTORS INC
HYDRONIC EQUIPMENT

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RINNAI
TANKLESS WATER HEATERS



Today, Homeowners want multiple shower heads and even larger garden tubs. With a shower head flow rate about 2.5 gallons a minute or whirlpool or soaker tubs with more than a 70 gallon capacity, the old technology 50-gallon tank can't do the job. With a Rinnai, you get up to 8.5 gallons of hot water per minute. And, the hot water temperature is consistent and never ending! Individual temperature controls give homeowners the flexibility to change the temperature in different locations of their home. Just imagine...never ending hot water in the kitchen, bath or laundry room and at the exact temperature you desire. Requires STDKIT-S for venting.

Part No	BTU	GPM at 50F rise	GPM at 35F rise	Voltage	Heat Exchanger warranty	Parts warranty	Price
R85I-NG (2532FFU)	15,000 to 180,000	0.6 to 6.5	0.6 to 8.5	115	10 year	5 year	\$1,918
R85I-NG (2532FFU)	15,000 to 180,000	0.6 to 6.5	0.6 to 8.5	115	10 year	5 year	\$1,918
R98I-LP (3237FFU)	19,000 to 237,000	0.6 to 6.5	0.6 to 8.5	115	5 year	5 year	\$2,812
R98I-NG (3237FFU)	19,000 to 237,000	0.6 to 6.5	0.6 to 8.5	115	5 year	5 year	\$2,812

ACCESSORIES

Part No	Description	Price
146141	Flat Roof Flashing Assy	\$42
169044	Pipe clamp	\$6
184118-S	Roof Discharge Terminal 18"	\$120
224050	45 degree bend (2)	\$78
224051	10" Vent Pipe extension	\$48
224052	19.5" Vent Pipe extension	\$64
224053	39" Vent Pipe extension	\$72
224063	90 degree bend	\$56
224064	4ft vertical discharge adapter	\$48
224069	Condensate collector (6" length)	\$70
50171949	Roof Flashing Assy 1/12-6/12	\$48
50171954	Roof Flashing Assy 8/12-16/12	\$48
50171961	Roof Flashing Assy 6/12-12/12	\$48
50223098B-S	Wall Discharge Terminal 35"	\$70
MSA-2M	Manifol Elec Control Pack A	\$142
MSA-2S	Manifol Elec Control Pack B	\$72
STDKIT-S	Std Horiz Vent Kit	\$150
WRIK-C	Plumbing Install Kit CU X CU	\$144
WRIK-F	Plumbing Install Kit FIP	\$166

HYDRONIC EQUIPMENT

HYDRONIC RADIANT HEAT

HVAC DISTRIBUTORS INC

HYDRONIC RADIANT HEAT

UPONOR-WIRSBO COMPANY

HEPEX PLUS TUBING

Call or visit one of our 4 locations.



Standard Grade Hydrostatic Ratings 2000F 80 psi, 180oF 100 psi, 73.4oF 160 psi

Part No.	Description	Shipping Weight	Material	Linear Expansion Rate	Price
A1180313	5/16" HEPEX plus, 250 ft coil	11 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$408
A1210375	3/8" HEPEX plus, 400 ft coil	20 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$623
A1220313	5/16" HEPEX plus, 1,000 ft coil	45 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,555
A1220375	3/8" HEPEX plus, 1,000 ft coil	44 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,558
A1220500	1/2" HEPEX plus, 1,000 ft coil	58 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,650
A1220625	5/8" HEPEX plus, 1,000 ft coil	84 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,958
A1240750	3/4" HEPEX plus, 500 ft coil	55 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,165
A1241000	1" HEPEX plus, 500 ft coil	94 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,943
A1250500	1/2" HEPEX plus, 300 ft coil	19 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$495
A1250625	5/8" HEPEX plus, 300 ft coil	27 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$588
A1250750	3/4" HEPEX plus, 300 ft coil	34 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$698
A1251000	1" HEPEX plus, 300 ft coil	58 lbs	PEX-A (Engel Method)	1.1 in/10oF/100 ft	\$1,165

BRASS MANIFOLD ACCESSORIES

MANIFOLD THERMOMETER UNION



Thermometer Union for 1 1/4" brass manifold displays manifold supply or return water temperatures. Thermometer dial can be oriented in any direction. It features R32 male thread by R32 union female thread to accommodate any Uponor R32 manifold adapters. Thermometer and well are included.

Part No.	Description	Pkg Qty	Price
A2913210	Manifold Thermometer Union	1	\$143

BASIC END CAPS



Basic End Cap is used with 1 1/4" brass manifolds. Required gasket is included.

Part No.	Description	Pkg Qty	Price
A2080020	Loop End Cap, R20	10	\$13
A2080032	5/8" Hepex Plus, 300 ft coil	10	\$25
A2400032	Basic End Cap Gasket, Spare Part	10	\$3

END CAP WITH VENT



End Cap with Vent for 1 1/4" brass manifolds. Complete with swivel drain valve and manual air vent. Required gasket (A2403232) is included.

Part No.	Description	Pkg Qty	Price
A2403232	End Cap With Vent Gasket, Spare Part	10	\$3
A2803250	End Cap with Vent, R32	1	\$103

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

COUPLINGS



Use 5/16" Tubing Repair Coupling to connect 5/16" hePEX plus together.

Part No.	Description	Pkg Qty	Price
A4010313	5/16" Tubing Repair Coupling	10	\$40

QS20 FITTING ASSEMBLY



Compression Fitting Assembly with o-ring connects 5/16", 1/2", and 5/8" Wirsbo Hepex plus and Aquapex tubing to all Uponor manifolds and R20 components. 3/4" fitting assembly has R25 threads and will not thread directly onto Uponor 1 1/4" Brass and Tru Flow manifolds. Sold as a three-piece component. Replacement compression rings and o-rings also sold separately.

Part No.	Description	Pkg Qty	Price
A4020313	5/16" QS-style Fitting Assembly, R20 thread	10	\$18
A4020500	1/2" QS-style Fitting Assembly, R20 thread	10	\$15
A4020625	5/8" QS-style Fitting Assembly, R20 thread	10	\$20
A4020750	3/4" QS-style Fitting Assembly, R25 thread	10	\$25
A4020375	Tru Flow Manifold Union Nipple		\$18
A4021000	Replacement O-ring for insert (R25)	10	\$3
A4021116	Replacement O-ring for insert (R20)	10	\$3

FITTINGS

MULTICOR COMPRESSION FITTING ASSEMBLIES



MultiCor Compression Fitting Assembly, made of heat-treated brass, connects 1/2" and 5/8" MultiCor tubing to 1 1/4" Brass and Tru Flow manifolds.

Part No.	Description	Pkg Qty	Price
D4120500	1/2" MultiCor Fitting Assembly, R20 thread	10	\$13



QS-Style Copper Adapter (R20 or R25) and appropriate QS-style Fitting Assembly transition Uponor Wirsbo Pex tubing to 1/2" and 3/4" copper pipe.

Part No.	Description	Pkg Qty	Price
A4332050	Copper Adapter, R20 x 1/2" Copper	10	\$10
A4332075	Copper Adapter, R20 x 3/4" Copper	10	\$10
A4332575	Copper Adapter, R25 x 3/4" Copper	10	\$18

QS-STYLE COMPRESSION RING



The QS-style Compression Ring (replacement part) is designed and tested for use with Wirsbo Aquapex and Hepex plus tubing.
Note: Do not substitute similar compression rings.

Part No.	Description	Pkg Qty	Price
A4160625	5/8" Compression Ring, Spare Part	10	\$13

HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

FITTINGS

QS-STYLE CONVERSION NIPPLES



QS-Style Conversion Nipple (brass) and the appropriate fitting connect 5/16", 3/8", 1/2", 5/8" or 3/4" Uponor Wirsbo tubing to 1/2", 3/4", and 1" NPT.

Part No.	Description	Pkg Qty	Price
A4322050	Conversion Nipple, R20 x 1/2" NPT	10	\$13
A4322075	3/4" QS-style Fitting Assembly, R25 thread	10	\$13

QS-STYLE COPPER ADAPTERS



QS-Style Copper Adapter (R20 or R25) and appropriate QS-style Fitting Assembly transition Uponor Wirsbo Pex tubing to 1/2" and 3/4" copper pipe.

Part No.	Description	Pkg Qty	Price
A4332050	Conversion Nipple, R20 x 1/2" NPT	10	\$10

QS-STYLE COPPER FITTING BASEBOARD ADAPTERS



Connects 1/2" and 5/8" Wirsbo tubing to 3/4" copper baseboard

Part No.	Description	Pkg Qty	Price
A4342050	Copper Fitting Adapter, R20 x 1/2" Copper	10	\$10

QS-STYLE NIPPLES



QS-style Coupling Nipple (brass) and the appropriate fitting assembly connect 5/16", 1/2", 5/8" or 3/4" Wirsbo tubing together.

Part No.	Description	Pkg Qty	Price
A4322020	Coupling Nipple, R20 x R20	10	\$10
A4322525	Coupling Nipple, R25 x R25	10	\$23

FIXING WIRE



Specially formulated 6" galvanized steel alloy tie secures Pex tubing products to wire mesh or rebar.

Part No.	Description	Pkg Qty	Price
A7031000	Fixing Wire,1000 Per Bundle	1	\$53

FIXING WIRE TWISTERS



Use Fixing Wire Twister with Fixing Wire (A7031000).

Part No.	Description	Pkg Qty	Price
E6090005	Fixing Wire Twister	1	\$10

HYDRONIC RADIANT HEAT

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY



Metal Bend Support (zinc-plated) provides rigid 90-degree bend for 5/8" Wirsbo Pex tubing.

Part No.	Description	Pkg Qty	Price
A5110500	1/2" Metal Bend Support	50	\$13
A5110625	5/8" Metal Bend Support	50	\$20
A5110375	3/8" Metal Bend Support	50	\$15

METAL STAPLES



Metal Tubing Staples are available in 5/8" and 1 1/4" lengths with a 1" crown. Use 5/8" staple to secure aluminum plates to furring strips or subfloors. Use 1 1/4" staples in staple-down installations to secure 1/2" and 5/8" Wirsbo Pex to wood subfloors.

Part No.	Description	Pkg Qty	Price
A7011250	1 1/4" Staples, 10,000/box	1	\$248

PLASTIC BEND SUPPORTS



Plastic Bend Support (glass-reinforced nylon) provides rigid 90-degree bend for 5/16", 1/2" and 3/4" Wirsbo Pex tubing.

Part No.	Description	Pkg Qty	Price
A5150750	3/4" Plastic Bend Support	50	\$15

PLASTIC FOAM STAPLES



Use Plastic Foam Staples with Manual Stapler (E6025075) to secure 1/2" and 5/8" Pex to rigid insulation.
Note: Use 1 1/2" Foam Staple (A7015050) for 1-inch foam and 2 1/2" Foam Staple (A7015075) for 1 1/2-inch or thicker foam.

Part No.	Description	Pkg Qty	Price
A7015050	1 1/2" Foam Staple, 300/box	1	\$143
A7015075	2 1/2" Foam Staple, 300/box	1	\$160

PVC BEND SUPPORTS



Provides rigid 90° bend and sleeve for Pex tubing. PVC Bend Support provides rigid 90° bend and sleeve for 3/8", 1/2", 5/8", 3/4", and 1" nominal Wirsbo Pex tubing runs exiting a concrete slab.

Part No.	Description	Pkg Qty	Price
A5500500	1/2" PVC Bend Support	25	\$10
A5500625	1" PVC Elbow for 5/8" Pex	25	\$15
A5500750	3/4" PVC Bend Support	20	\$25
A5501000	1" PVC Bend Support	25	\$8

HYDRONIC RADIANT HEAT

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

SERVICE WRENCHES



Service wrenches are of a lightweight, compact design. Use the 1 3/16" service wrench to tighten QS-style fitting assemblies to the manifolds. Use the 1 7/8" service wrench to tighten manifold union nuts.

Part No.	Description	Pkg Qty	Price
E6111875	1 7/8" Service Wrench	1	\$93

TUBE CUTTERS



Pex Tubing Cutter cuts up to 1" Pex.

Part No.	Description	Pkg Qty	Price
E6081125	Tube Cutter (metal) up to 1" Pex	1	\$55

3 WAY TEMPERING VALVE

CONTROLS

TEMPERING VALVES



The 1" Wirsbo Three-way Tempering Valve thermostatically controls water temperature ranges between 80 and 160°F. Non-corrosive reactive valve, 1-inch nominal sweat union connections. This Wirsbo Tempering Valve is ideal for Radiant Heat Systems.

Part No.	Description	Pkg Qty	Price
A5401112	1" Three-Way Tempering Valve w/Union	1	\$388

MANIFOLD ACCESSORIES FOR TRU FLOW AND 1 1/4" BRASS MANIFOLDS

MANIFOLD ACCESSORIES

BRASS MANIFOLD PRESSURE TEST KIT



Pressure Test Kit for 1 1/4" Brass and Tru Flow manifolds. Kits contain R32 x 3/4" manifold bushing, R32 solid brass plug, 3/4" brass nipple and pressure gauge assembly (100 psi). Schraeder valve included.

Part No.	Description	Pkg Qty	Price
E6122000	Brass Manifold Pressure Test Kit	1	\$103

MANIFOLD COMBINATION ADAPTERS/FITTING ADAPTERS



Part No.	Description	Pkg Qty	Price
A4133210	R32 x Combination 1" Adapter or 1 1/4" Fitting Adapter	10	\$33
A4143210	R32 x Combination 3/4" Adapter or 1" Fitting Adapter	10	\$33

HVAC DISTRIBUTORS INC

HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

MANIFOLD ACCESSORIES FOR TRU FLOW AND 1 1/4" BRASS MANIFOLDS

MANIFOLD ACCESSORIES

MANIFOLD THREADED ADAPTERS/BUSHINGS



Manifold Adapter for 1 1/4" brass and Tru Flow manifolds transitions the R32 manifold union nut to 1" threaded connections.

Part No.	Description	Pkg Qty	Price
A2123210	R32 Male x 1" Female Threaded Bushing	10	\$25

MANIFOLD KIT WITH SWEAT ADAPTER



Manifold Kit for 1 1/4" brass manifolds. Simplifies ordering and inventory. Parts common to every manifold installed. Required gaskets included. Kits contain adapters, one set of manifold mounting brackets, end cap with vent, basic end cap and required gaskets.

Part No.	Description	Price
A2077510-assy	Manifold Kit W/Sweat Adapter 3/4" to 1"	\$175

PEX CLIPS



The enhanced Wirsbo Pex Clips provide better holding power and can be attached together laterally for tight installations. The Pex Clips are attached under the wood subfloor for joist-heating applications. The clip prevents the tubing from coming in direct contact with the subfloor, eliminating the possibility of creating uncomfortable hot spots on the floor above. Drywall screws are commonly used to secure the clips to the wood subfloor.

Part No.	Description	Price
F7060375	3/8" Pex Clip, 100/box	\$3

PIPE & EQUIPMENT



Part No.	Description	Pkg Qty	Price
Q2247550	3/4" EP Branch Manifold, 4 Outlets	ea. / 10	\$30
Q2247557	EP Flow Thru Manifold, 4 Outlet, 3/4" x 3/4" Propex	ea. / 10	\$30
Q2865050	Copper Stub Ell, 1/2" Pex x 1/2" Copper (3-1/2" x 8")	ea. / 25	\$13



Part No.	Description	Pkg Qty	Price
Q4757550	Propex EP Reducing Tee, 3/4" Pex x 3/4" Pex x 1/2" Pex	ea. / 25	\$3
Q4815050	Propex Ball Valve (Large Bore), 1/2" Pex x 1/2" Pex	ea. / 10	\$73
Q4827575	Propex Ball Valve Large-Bore	10	\$140
Q4855038	Propex Angle Stop for 1/2" Pex	ea. / 10	\$13

HYDRONIC RADIANT HEAT

HVAC DISTRIBUTORS INC

HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

PLUMBING



Part No.	Description	Pkg Qty	Price
Q4235050	Propex Drop Ear Elbow, 1/2" Pex x 1/2" FIP	ea. / 25	\$10

QS-STYLE COPPER FITTING ADAPTER



Part No.	Description	Price
A4382075	FTG Assy QS 20 Baseboard 90	\$18

QUICK & EASY BASEBOARD ELBOWS



Quick & Easy Baseboard Elbow (brass) connects 1/2" and 5/8" Wirsbo hepex plus and Aquapex tubing products to 3/4" copper baseboard.

Part No.	Description	Pkg Qty	Price
Q4385075	Quick & Easy Baseboard Elbow, 1/2" Pex x 3/4" Copper Adapter	10	\$20
Q4386375	Quick & Easy Baseboard Elbow, 5/8" Pex x 3/4" Copper Adapter	10	\$20

QUICK & EASY BRASS COUPLINGS



Quick & Easy Brass Coupling makes Pex to Pex connections for Hepex plus and Aquapex tubing.

Part No.	Description	Pkg Qty	Price
Q4541010	Quick & Easy Brass Coupling, 1" Pex x 1" Pex	10	\$15
Q4543838	Quick & Easy Brass Coupling, 3/8" Pex x 3/8" Pex	10	\$13
Q4545050	Quick & Easy Brass Coupling, 1/2" Pex x 1/2" Pex	25	\$3
Q4546363	Quick & Easy Brass Coupling, 5/8" Pex x 5/8" Pex	10	\$8
Q4547575	Quick & Easy Brass Coupling, 3/4" Pex x 3/4" Pex	25	\$10

QUICK & EASY BRASS PLUGS



Quick & Easy Brass Plugs terminate the end of Pex tubing. Plugs are installed for temporary or permanent usage.

Part No.	Description	Pkg Qty	Price
Q4535050	Quick & Easy Brass Plug for 1/2" Pex	25	\$8
Q4536363	Quick & Easy Brass Plug for 5/8" Pex	10	\$15
Q4537575	Quick & Easy Brass Plug for 3/4" Pex	25	\$15

QUICK & EASY BRASS SWEAT ADAPTERS



Quick & Easy Brass Sweat Adapter transitions Wirsbo Hepex plus and Aquapex tubing to copper pipe. Propex Brass Sweat Adapter transitions Wirsbo Hepex plus and Aquapex tubing to copper pipe.

Note: Propex Tool is required. Propex Rings must be purchased separately.

Part No.	Description	Pkg Qty	Price
Q4513850	Propex Brass Adapter, 3/8" Pex x 1/2" Copper		\$13
Q4516350	Quick & Easy Brass Adapter, 5/8" Pex x 1/2" Copper	10	\$20
Q4516375	Quick & Easy Brass Adapter, 5/8" Pex x 3/4" Copper	10	\$8
Q4517550	Quick & Easy Brass Adapter, 3/4" Pex x 1/2" Copper	25	\$18

HYDRONIC RADIANT HEAT

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

QUICK & EASY FITTING ASSEMBLIES



Quick & Easy Fitting Assembly with Quick & Easy insert connects 1/2", 5/8" and 3/4" Wirsbo Hepex plus and Aquapex tubing to the 1 1/4" Brass and Tru Flow manifolds. Sold as a two-piece assembly, it includes Quick & Easy insert and R20 swivel nut.A

Part No.	Description	Pkg Qty	Price
Q4020375	3/8" Propex Fitting Assembly, R20 Thread		\$15
Q4020500	1/2" Quick & Easy Fitting Assembly, R20 Thread	10	\$13
Q4020625	5/8" Quick & Easy Fitting Assembly, R20 Thread	10	\$15
Q4020750	3/4" Quick & Easy Fitting Assembly, R20 Thread	10	\$48

QUICK & EASY HAND (MANUAL) EXPANDER TOOL



Part No.	Description	Pkg Qty	Price
Q6295075	Quick & Easy Hand Expander Tool Kit (with 1/2", 3/4" & 1" heads)	1	\$758

QUICK & EASY MANIFOLD ADAPTERS



Quick & Easy Adapter for 1 1/4" brass and Tru Flow manifolds transitions from the R32 manifold union nut to 3/4" and 1" Aquapex or Hepex plus tubing.
Quick & Easy Brass Elbow makes 90-degree connections for 1/2" Aquapex to male NPT thread.
Note: Quick & Easy Tool is required. Quick & Easy Rings must be purchased separately.

Part No.	Description	Pkg Qty	Price
Q4143210	R32 x 1" Quick & Easy Manifold Adapter, Straight	10	\$38
Q4125050	Quick & Easy Brass Elbow, 1/2" Pex x 1/2" MIP	25	\$38

QUICK & EASY RINGS



Propex Rings are manufactured from Pex-a material. The Propex Rings are required to make a proper Propex connection. Quick & Easy Rings are manufactured from Pex-a material. The Quick & Easy Rings are required to make a proper Quick & Easy connection.

Part No.	Description	Pkg Qty	Price
Q4690302	Propex Ring 3/8" (Blue Print)		\$40
Q4680625	Quick & Easy Ring 5/8" (white ring)	50	\$68
Q4681000	Quick & Easy Ring 1" (white ring)	50	\$120
Q4690502	Quick & Easy Ring 1/2" (white ring)	50	\$40
Q4690752	Quick & Easy Ring 3/4" (white ring)	50	\$68

QUIK TRAK 10 IN. X 48 IN. TRAK



Quik Trak™ Panels : Quik Trak panels. Half inch plywood panels attached to an aluminum heat transfer sheet.

Part No.	Description	Pkg. Qty.	Price
A5061001	Wirsbo	10 per package	\$23

QUIK TRAK SYSTEM



Features And Benefits:

• Low-profile, 1/2" panels are the thinnest on the market • Made of plywood and aluminum, a preferred construction material and heat conductor • Offers a low thermal mass for fast response time • Is quickly and easily installed over a wood subfloor • Creates new opportunities for remodeling and retrofit• Offers an alternative to gypsumbased overpour and joist heating • Less burden on construction schedules than gypsum overpour • Eliminates moisture and weight issues sometimes associated with poured floors • Simple to plan and install, putting you in charge of installation from start to finish

Part No.	Description	Price
A5061002	Quik Trak 10^X48^ Return	\$30

HYDRONIC RADIANT HEAT

HVAC DISTRIBUTORS INC

HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

WIRSBO QUIK TRAK



A wood panel with aluminum heat transfer backing system specially engineered for wood frame construction offering an alternative to joist heating and poured floor underlayment installations. Finished floor can be installed over Quik Trak immediately. Excellent BTU output, lower thermal mass, fast reponse time, 7" x 48". The plywood panels are 1/2" thick with groove running down the center for the Wirsbo 5/16" Hepex, specially designed return traks with a "U" groove complete tubing turns.

Part No.	Description	Price
E6051250	Quik Trak Screws 2500/Pk	\$285

THE UPONOR PRO SERIES CONTROLS

CONTROLS

UPONOR PROMIX 212



Part No.	Description	Pkg Qty	Price
A3040212	Wirsbo ProMIX 212, Two-Temperature Variable Speed Injection Mixing Control	1	\$2,293

TRU FLOW BRASS MANIFOLD SPECIFIC ACCESSORIES

ELECTRONIC FLOW METER AND ACCESSORIES



The electronic balancing system is an Uponor-exclusive product. When used in conjunction with the hand-held FlowMaster, the unique Flow/Temperature Meters allow the installer to read flow and temperature for each loop resulting in accurate and quick balancing or troubleshooting. Data is downloadable to an Excel spreadsheet.

Note: Use Only with the Uponor Tru Flow Manifolds.

Part No.	Description	Pkg Qty	Price
A2620001	Flow Master	1	\$1,398

TRU FLOW BRASS MANIFOLDS WITH FLOW/TEMPERATURE METERS



Part No.	Description	Weight	Price
A2620200	2-loop S&R with Flow/Temperature Meter	9 lbs	\$505
A2620300	3-loop S&R with Flow/Temperature Meter	11.4 lbs	\$648
A2620400	4-loop S&R with Flow/Temperature Meter	13 lbs	\$753
A2620500	5-loop S&R with Flow/Temperature Meter	16 lbs	\$915
A2620800	8-loop S&R with Flow/Temperature Meter	18.5 lbs	\$1,195

TRU FLOW MANIFOLD BASIC END CAP

ENDS CAPS



Part No.	Description	Price
A2611250	Tru Flow Manifold Basic End Cap	\$40

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UPONOR-WIRSBO COMPANY

TRU FLOW MANIFOLD EXTENSION KIT

MANIFOLDS



Part No.	Description	Pkg Qty	Price
A2621010	Tru Flow Manifold Union Nipple, Replacement part	10	\$68

TRU FLOW MANIFOLD SYSTEM

MANIFOLD ACCESSORIES

TRU FLOW BALANCING HEX KEY



Part No.	Description	Pkg Qty	Price
A2620002	Tru Flow Manifold Balancing Hex Key, Replacement Part	10	\$20
A2620006	Tru Flow Manifold Bracket, Replacement Part	10	\$48
A2620007	Wirsbo Silicone Oil, 1.76 oz Bottle, Optional Part	10	\$38
A2621250	Tru Flow Manifold End Cap With Vent and Drain	10	\$73

TRU FLOW MANIFOLD LOOP THERMOMETER



Part No.	Description	Pkg Qty	Price
A2610020	Tru Flow Manifold Loop Thermometer	10	\$65

TRU FLOW MANIFOLD SUPPLY AND RETURN BALL VALVES WITH THERMOMETER



Part No.	Description	Pkg Qty	Price
A2631250	Tru Flow Manifold Supply And Return Ball Valves	2	\$298

TRU FLOW FLOW/TEMPERATURE METER



Part No.	Description	Pkg Qty	Price
A2620015	Tru Flow Flow/Temperature Meter, 0.15 to 1.3 GPM	10	\$65

TRU FLOW MANIFOLDS



Manifold Body						
Part No.	Description	Shipping Weight	Material	Size	Threaded Connections	Price
A2610200	Wirsbo Tru Flow Manifold System, 2 loop	7.4 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$478
A2610300	Wirsbo Tru Flow Manifold System, 3 loop	9.9 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$565
A2610400	Wirsbo Tru Flow Manifold System, 4 loop	11.9 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$675
A2610500	Wirsbo Tru flow Manifold System, 5 loop	14.6 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$815
A2610600	Wirsbo Tru Flow Manifold System, 6 loop	16.6 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$925
A2610700	Wirsbo Tru Flow Manifold System, 7 loop	18.5 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$1,035
A2610800	Wirsbo Tru Flow Manifold System, 8 loop	20.5 lbs.	UNS C38500 Brass	1 1/2"	ISO 228-G 1 1/4" (R32)	\$1,188

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TUBE TALON



Tube Talon secures 1/2", 5/8", 3/4" and 1" Wirsbo Pex tubing products to wood surfaces. Pre-loaded nail is included.

Part No.	Description	Pkg Qty	Price
F7050750	Tube Talon (1/2", 5/8", 3/4" PEX)	100	\$28

UPONOR 1 1/4" BRASS MANIFOLDS

MANIFOLD MOUNTING BRACKET



Manifold Mounting Bracket for 1 1/4" brass manifolds (two brackets per set) holds the supply and return manifolds in place for both vertical and horizontal installation. The bracket can be offset to allow return tubing to pass behind the supply manifold.

Part No.	Description	Each Qty	Price
A2071500	Manifold Mounting Bracket, Set of Two	1	\$30
A2071501	Manifold Clip, White, Replacement Part, Set of Four	1	\$13

UPONOR PROPANEL SERIES

CONTROLS

UPONOR PROPANEL 201



Part No.	Description	Pkg Qty	Price
A3500201	Wirsbo ProPANEL 201, Single-Temperature Variable Speed Injection Mixing Panel	1	\$7,655

UPONOR SETPOINT CONTROLLERS

CONTROLS

UPONOR MOTORIZED VALVE ACTUATORS (MVA)



The Motorized Valve Actuator (MVA) (24VAC) features quick-opening motorized valve head that mounts directly onto 1 1/4" Brass and Tru FLOW valved manifolds. The open/close indicator allows for easy visual inspection for proper operation. It provides individual flow control (per loop) on a multi-zoned manifold (manifold serving more than one zone). MVA includes end switch for activation of relay (pump), heat plant or other auxiliary devices. Power-open, spring-closed, it must be installed in the upright or horizontal position.

Part No.	Description	Pkg Qty	Price
A3020522	Wirsbo Motorized Valve Actuator (MVA), Four-Wire	1	\$173

HYDRONIC RADIANT HEAT

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

UPONOR SETPOINT CONTROLLERS

CONTROLS

UPONOR THERMAL ACTUATORS



Slow-opening Thermal Actuator (24VAC) mounts directly onto 1 1/4" Brass and TruFLOW valved manifolds. It provides individual loop flow control on a multi-zoned manifold (manifold serving more than one zone). The four-wire Thermal Actuator includes end switch for activation of relay (pump), heat plant or other auxiliary devices. It must be installed in the upright or horizontal position.

Part No.	Description	Pkg Qty	Price
A3010522	Wirsbo Thermal Actuator, Four-Wire	1	\$133

UPONOR ZONE CONTROL MODULE

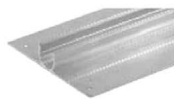


This Multi-zone control module, with fused-circuit protection, features LED indication for 24VAC power. It includes a separate LED indication for each zone when there is a call for heat and when the end switch closes. Designed for use with Uponor Radiant Thermostats, it may be connected in series up to 10 zones. It is available in three-zone and four-zone configurations. Module is protected by an opaque plastic cover.

Part No.	Description	Pkg Qty	Price
A3030003	Three-Zone Control Module	1	\$153
A3030004	Four-Zone Control Module	1	\$183

PANELS/PLATES

UPONOR JOIST TRAK PANELS



Use Uponor Joist Trak, extruded aluminum heat transfer plates, with 1/2" Wirsbo Pex tubing plus in floor joist applications. Each plate is 4 feet long by 4 inches wide, and comes packaged 20 per box. It provides easy installation, increased heat transfer and superior comfort.

Part No.	Description	Pkg Qty	Price
A5080500	Wirsbo Joist Trak, 1/2" Heat Transfer Panel	20	\$20

UPONOR QUIK TRAK PANELS



The 1/2" plywood panels are attached to an aluminum heat transfer sheet. Use with Wirsbo 5/16" Hepex plus only. Cut your labor in half! Uponor's preassembled Quik Trak Panels consist of six panels fastened together with strapping tape. The panels are staggered (2 inches) on both ends to aid alignment. Use with Wirsbo 5/16" Hepex plus only. One package includes six panels.

Part No.	Description	Pkg Qty	Price
A5060701	Quik Trak 7" x 48" Panels	10	\$30

HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

UPONOR SETPOINT CONTROLLERS

PANELS/PLATES

UPONOR QUIK TRAK RETURN PANELS



Quik Trak Return Panels are designed with a "U" groove to complete tubing turns. The half-moon grooves are attached to the panels. Each return panel is shipped with a separate aluminum sheet for installation beneath the panel. Use with Wirsbo 5/16" the Pex plus only.

Note: All Quik Trak Return Panels measure 7" wide x 48" long.

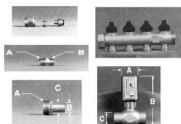
Part No.	Description	Pkg Qty	Price
A5060702	Quik Trak Return 7" x 48" 10/Pk	10	\$43

WIRSBO AQUAPEX PLUMBING SYSTEMS



Part No.	Description	Price
F1060500	Tubing Coil 300 ft. 1/2" Pex	\$273
F110075	Tubing Coil 500 ft. 3/4" Pex	\$778
F1120500	Tubing Coil 1000 ft. 1/2" Pex	\$908

WIRSBO COMPONENTS



Part No.	Description	Price
A2071125-assy	Manifold Kit w/sweat adapter 1" to 1 1/4"	\$175

WIRSBO ELECTRONIC BALANCING SYSTEM



• Unique electronic nipples that read flow and temperature • The Wirsbo Flow Master - a hand-held electronic read-out instrument • Flow and temperature information stored for up to 12 manifolds • Downloadable information for records • Flow and temperature reading for each loop for accurate and quick balancing or troubleshooting • Flow readings between 0.025 - 1.3 gpm (standard model) • Flow readings between 0.53 - 1.85 gpm (high-flow model sold separately, available Summer 2003)

Part No.	Description	Price
A2620001	Tru Flow Test Instrument	\$1,398

RADIANT THERMOSTAT



Part No.	Description	Price
A3030101	Heat Only, Two-Wire	\$135

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HYDRONIC RADIANT HEAT

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UPONOR-WIRSBO COMPANY

FITTINGS & ADAPTERS

WIRSBO FITTINGS



Part No.	Description	Price
Q4505050	Propex Ftng Adptr 1/2"P x 1/2"C	\$10
Q4507575	Propex Ftng Adptr 3/4"P x 3/4"C	\$20
Q4511010	Propex Adptr 1"P x 1"C	\$13
Q4515050	Propex Adptr 1/2"P x 1/2"C	\$10
Q4515075	Propex Adptr 1/2"P x 3/4"C	\$18
Q4517510	Propex Adptr 3/4"P x 1"C	\$10
Q4517575	Propex Adptr 3/4"P x 3/4"C	\$8
Q4525050	Propex Ftting 1/2"P x 1/2"NPT M	\$13
Q4525075	Propex Ftting 1/2"P x 3/4"NPT M	\$20
Q4755050	Propex Tee 1/2Px Pls	\$3
Q4757575	Propex Tee 3/4Px Pls	\$3

HYDRONIC RADIANT HEAT

HVAC DISTRIBUTORS INC

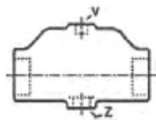
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AMTROL

AIR ELIMINATION

AIR PURGERS



Part No.	Size (inch)	Dimensions (ins)			Tappings-NPT(ins)		Price
		Height	Width	Length	V	Z	
443	1	4	21/2	6	1/8	1/2	\$93
444	1-1/4	4	21/2	6	1/8	1/2	\$90
445	1-1/2	4	21/2	6	1/8	1/2	\$95
446	2	4	21/2	6	1/8	1/2	\$68

AIR ELIMINATORS

AIR VENTS

FOR HVAC SYSTEMS



Part No.	Pipe Size	Type	Price
700-C	1/8" NPT	Float Vent: Up to 150 PSI	\$13

MIXING VALVES



Part No.	Dimensions (ins)			Temperature Range	Ratings		Price
	Height	Width	Size (ins)		Baths	GPM	
421	311/16	21/2	3/4	110° to 170°	1 to 3	12	\$68

BOILERMATE REPLACEMENT PARTS

Part No.	Description	Description (For Model No)	Price
2704-093	Aquastat/Thermostat	WH-7Z, TD-7Z, TD-41Z, WH-60Z, WH-80Z,WH-120Z	\$95
2704A233	SmartControl™ w/Thermistor	All SmartControl™ Models	\$345

EXTROL

For use with closed hydronic heating and cooling systems



Part No.	Tank Volume (Gallons)	Height (Inches)	Diameter (Inches)	Shipping Weight (lbs)	Accept Volume (Gallons)	Maximum			Price
						Operating Temperature	Working Pressure	Factory Precharge	
15	2	12 5/8	8	5	1.0	240°F.	100 PSIG.	12 PSIG.	\$73
30	4.4	15 1/2	11	9	2.5	240°F.	100 PSIG.	12 PSIG.	\$45
60	z	23	11	14	2.5	240°F.	100 PSIG.	12 PSIG.	\$185
90	14	21	15 3/8	23	11.3	240°F.	100 PSIG.	12 PSIG.	\$255
SX-30V	14	243/4	153/8	25	11.3				\$293

AMTROL

EXPANSION TANKS

FILL-TROL COMBINATION PACKAGES



Part No.	Shipping Weight (lbs)	Fill-Trol Model	Air Purger	Purger Model	Vent Model	Maximum		Factory Precharge	Price
						Operating Temperature	Working Pressure		
109-P/1	10	109	443	443 or 444	700-C	240°F.	100 PSIG.	12 PSIG.	\$163
110P-11/4	14	110	444	443 or 444	700-C	240°F.	100 PSIG.	12 PSIG.	\$180

FILL-TROL REPLACEMENT PARTS



Part No.	Description	Price
109-15	Fill-Trol® Valve Kit	\$55

THERMAL EXPANSION TANKS

THERM-X-TROL



Therm-X-Trol®S are pre-pressurized, diaphragm-type expansion tanks designed to accept the increased volume of water created when a storage tank is heated, keeping the system pressure below the relief valve setting.

Part No.	Description	Tank Volume (Gallons)	System Conn (Inches)	Shipping Weight (lbs)	Accept Factor	Maximum		Price
						Operating Temperature	Working Pressure	
ST-12	For Use With Potable Water Heaters Only.	4.4	15	9	0.73	200°F.	150 PSIG.	\$133
ST-5	For Use With Potable Water Heaters Only.	2	125/8	5	0.45	200°F.	150 PSIG.	\$78
ST-30V		14		25	0.81	200°F	150 PSIG	\$388

THERM-X-TROL ASME



Specifications

- Office Buildings • Apartment Buildings • Elderly Housing • Extended Care Facilities • Condominiums/Large Residential • Food Service (other than Restaurants) • Laundromats • Hospitals • Hotels and Motels • Schools and Dormitories

Part No.	Tank Volume (Gallons)	Max Accept Factor	System Conn (Inches)	Shipping Weight (lbs)	Dimensions (ins)			Price
					Diameter	Height		
ST-12-C	6.0	0.51	3/4" NPT	26	12	133/8		\$2,010
ST-20V-C	8.0	0.40	3/4" NPT	41	12	201/16		\$2,208
ST-30V-C	14.0	0.64	3/4" NPT	84	161/4	195/16		\$2,358

BELL & GOSSETT

FLANGE GASKET SET



Flange Gasket Set For Series 100 Pumps Mfg Prior To 1956 And 1 Pumps Mfg Prior to 1950.

Part No.	Description	Price
118351	Gasket Set (2/SET)	\$28
118368	Flange Gasket Set	\$30
118373	Flange Gasket Set	\$30
118378	Flange Gasket Set	\$13
P15692	Flange Gasket Set	\$10

HYDRONICS

BELL & GOSSETT

BEARING ASSEMBLY



Part No.	Description	Price
118844	100 Series Bearing Assembly	\$155
185260	Bearing Assy N/S.Pump	\$1,605
186863	Bearing Assy For PD 35 & 36	\$660
189034	Bearing Assy. 100 BRNZ	\$228
189105	Bearing Assy PR,2-1/2& 3",Current"	\$445
189134	Bearing Assy 1-3" 1/6 HP	\$165
189162	Bearing Assy 2" &HV Old Style	\$353
189163	Bearing Assy 1-1/2,2",HV Current	\$285
189165	Bearings (Rear) Used 60 & 1522	\$383

CHECK-TROL ISOLATION FLOW CONTROL FLANGE



The Check-Trol flange is a combination isolation valve, flow control valve, and companion flange for circulators. The ball valve allows the circulator to be removed from the system without draining the system. The internal spring check prevents gravity circulation. Free floating companion flange makes pump installation a snap.

Part No.	Size Inches	Model	ApproxShpg WtLbs (Kg)	Price
101231	3/4" NPT x Flange	CTF - 3/4	3.6 (1.6)	\$93
101232	1" NPT x Flange	CTF - 1	4.3 (2.0)	\$113
101233	1-1/4" NPT x Flange	CTF - 1-1/4	6.0 (2.7)	\$143

Dimensions and weights are approximate and subject to change. Contact factory for certified dimensions.

*Check-Trol flange is sold with an isolation flange as a pair. B1 Dimension is overall length of isolation flange.

The part numbers and shipping weights are for one Check-Trol™ flange and one isolation flange, capscrews and nuts.

COPPER RED RING MONOFLO FITTINGS



- Copper Red Ring Monoflo Fittings let you use a single pipe to serve as both supply and return main.
- Connect risers to the main, assuring proper diversion of water to each heating unit regardless of type and its position in the system.
- Recommended for most installations including cast iron non-ferrous baseboards, free-standing radiation or convectors.
- Only one fitting is needed for most installations for adequate diversion for upfeed radiation. For most applications, a second fitting can be used if higher resistance is required.

Part No.	Size Inches	CV Rating*		Price
		1 FTG	2 FTG	
108119	3/4 x 1/2**	4.2		\$48
108120	1 x 1/2	14.5		\$53
108121	1 x 3/4	14.5	8.7	\$53

* With side branch plugged ** Return only

Maximum working pressure 150 PSIG (1,034 kPa) – Maximum operating temperature 300° F (149° C).

GASKETS

CIRCULATOR PUMP BODY "O"-RING



Part No.	A"	Package	Armstrong Equivalent	Fits Pumps	Price
P04080	3 1/8"	2/pkg	804442-000	100, 100AB, 100NFI	\$10
P57410	5 19/32"	2/pkg	806157-000	60-11, 60-13, PD35, PD37	\$10
P57700	7 7/8"	2/pkg			\$25

BELL & GOSSETT

HYDRONIC HEATING AND PLUMBING PRODUCTS

BRONZE CIRCULATORS



Operating Data
Maximum working pressure . . .150 psi (10.3 bar)
Maximum operating temperature
NBF-33 225°F (107°C)
All Others 230°F (110°C)

Part No.	Part No	Voltage	Connection	Watts	FL Amps	RPM	Approx Wtlbs Kg	Price
NBF-22	103252	115	Flange 3/4, 1, 1-1/4, 1-1/2	92	0.8	2940	9.0 (4.1)	\$593

CAST IRON CIRCULATORS



Maximum working pressure. . . 150 psi (10 bar)
Maximum operating temperature
NRF-22 & NRF-9F/LW. . . .240°F (115°C)
NRF-33. 225°F (107°C)

Part No.	Part No	Flange Size Inches (NPT)	Voltage	Watts	FL Amps	RPM	Approx Wtlbs Kg	Price
NRF-22	103251	3/4, 1, 1-1/4, 1-1/2	115	92	0.8	2940	9.3 (4.2)	\$203

COMPANION FLANGES

FLANGES FOR BRONZE CIRCULATORS



Part No.	Size (NPT)	Price
101011	3/4"	\$53
101012	1"	\$53
101014	1-1/2"	\$53
101015	1"	\$75
101016	1-1/4"	\$75
101017	1-1/2"	\$75

FLANGES FOR CAST IRON CIRCULATORS



Operating Data
Maximum working pressure 150 psi (10 bar)
Maximum operating temperature . . 225°F (107°C)

Part No.	Size (NPT)	Price
101001	3/4"	\$25
101002	1"	\$25
101003	1-1/4"	\$25
101004	1-1/2"	\$25
101005	1"	\$28
101006	1-1/4"	\$28
101007	1-1/2"	\$28
101215	2"	\$188

HYDRONICS

BELL & GOSSETT

HYDRONIC HEATING AND PLUMBING PRODUCTS

FLO-CONTROL™ VALVES



- Combination straight/angle configurations in sizes 3/4" to 2" for ease of installation.
- Removeable top cap allows easy cleaning and service without removing pipe connections.
- Manual operating position for vertical lift disc to permit gravity circulation.

Part No.	Part No	Approx Wtlbs Kg	Price
SA-1	107018	3 (1,4)	\$80
SA-11/2	107020	8(3,6)	\$235
SA-11/4	107019	4(1,8)	\$100
SA-2	107021	12(5.5)	\$388
SA-3/4	107034	2(0.9)	\$75

HYDRONIC SPECIALTIES



Coin-Operated Air Vent

This vent is specially designed for the new types of radiators..An important feature is that it projects only slightly, being almost flush with the radiator. 150 P.S.I.G. Working Pressure-250°F Maximum

Part No.	Part No	Description	System Connection	Dimension (W x H)	Maximum		Appox Shpg Wt (lbs)		Price
					Pressure PSIG	Temperature	Carton of 100	Carton of 40	
4V	113055	Manual Air Vent	1/8" NPTM	5/8" x 5/8"	150	250°F	48	2	\$8
DT-2	113041	Drain-O-Tank	1/2" NPTM	2-1/4" x 6-5/16"	125	240°F	12	8	\$45

OIL LUBRICATED CIRCULATORS THREE-PIECE



Maximum working pressure125 psi (8.6 bar)
Maximum operating temperature
Standard Seal 225°F (107°C) continuous
Special Seals 250°F (121°C) continuous

Approximate ShpgWt lbs (Kg)							
Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	Cast Iron	Bronze	Price
100BNFI	106197	3/4, 1 1-1/4, 1-1/2	1/12		20 (9)	21 (10)	\$978
100NFI	106189	3/4, 1 ,1-1/4, 1-1/2	1/12	115	20 (9)	21 (10)	\$540
2BNFI	102217	2	1/6	115	36 (16)	39 (18)	\$2,360

PD-38 and PD-40 are ball bearing, maintenance-free design.

*Special motors available upon request. Dimensions are approximate and subject to changes.tact factory for certified dimension.

PRESSURE REDUCING VALVES



Part No.	Part No	Size	Price
F-8	110201	1/2 NPT	\$190
FB-38TU		1/2" NPT	\$120

HYDRONICS

BELL & GOSSETT

HYDRONIC HEATING AND PLUMBING PRODUCTS

SERIES PL



Operating Data
Maximum working pressure . . . 150 psi (10.3 bar)
Maximum operating temperature . . . 225°F (107°C)

Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	RPM	Approx Wtlbs Kg	Price
PL-30	1BL012	3/4, 1, 1 1/4, 1 1/2	1/12	115	2650	11.6 (5.3)	\$548
PL-36	1BL001	3/4, 1, 1 1/4, 1 1/2	1/6	115	3300	13.1 (6.0)	\$620
PL-45-115	1BL002	1, 1 1/4 1 1/2	1/6	115	3300	14.5 (6.6)	\$723

BELL & GOSSETT

IMPELLERS



Part No.	Description	Price
118431	Impeller Brass For Series 100Bi And 100Ab Pumps. 2-3/4 Diameter.	\$78
189128	IMP. BRNZ 2 & HV"	\$143
189132	Impeller For 100 2-3/4 DIAM.	\$30

MOTOR MOUNTS



Part No.	Description	HP	Price
118223	Motor Mount	1/12	\$35
118228	Motor Mount	1/3-1/2-3/4	\$48

BELL & GOSSETT

OIL LUBRICATED CIRCULATORS THREE-PIECE

BRONZE



Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	Approx Wtlbs Kg	Price
2-1/2 AB	102220	2-1/2	1/4	115 - with built-in overload protection	58 (26)	\$3,728

CAST IRON

2 NFI



Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	Approximate ShpgWt lbs (Kg) Cast Iron	Price
2NFI	102214	2	1/6	115 - with built-in overload protection	36 (16)	\$1,443



Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	Approx Wtlbs Kg	Price
2-1/2	102218	2-1/2	1/4	115 - with built-in overload protection	58 (26)	\$1,850

HYDRONICS**BELL & GOSSETT**

PRESSURE REDUCING VALVES

ASME SAFETY RELIEF VALVES



Engineered in accordance with Section IV of the ASME boiler & pressure code for heating boilers with capacities certified by the National Board of Boiler and Pressure Vessel Inspectors.

Part No.	Model No Capacity in BTU per Hour		Approx Wtlbs Kg	NPT Connections in Inches		Price
	Iron Body	Bronze Body		Inlet	Outlet	
790-3/4-30	3301-50, 4,900,000	790-50, 1,160,000	1.2 (0.5)	3/4	3/4	\$143
790-3/4-50			1.2 (0.5)	3/4	3/4	\$143
790-3/4-125	3301-30, 3,300,000	790-30, 790,000	1.2 (0.5)	3/4	3/4	\$143

BELL & GOSSETT

PUMP COUPLER



Part No.	Description	Shaft Size	Coupling Material	Used with	Price
186003	Circulating Pump Coupler	5/8 x 5/8 In	Steel/Rubber	5YN77 / 5YN74	\$235
186004	Circulating Pump Coupler	5/8 x 5/8 In	Steel/Rubber	4RD41 / 4RD42 / 4RD43 / 5YN76	\$155

PUMP COUPLINGS



Part No.	Description	Price
118473	Coupler For Ser 69	\$73
118705	Coupler For PD35,37,60 & 1522	\$28
118709	Coupler Iron 1/2 Shaft"	\$75
118723	Coupler Iron 1/2 Shaft"	\$43
189110	Coupler Stamped Steel For 100	\$28

PUMP MOTORS

MOTORS, SINGLE PHASE



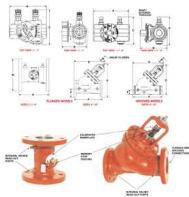
Part No.	Description	HP	Volts	RPM	Models	Price
111034	Motor	1/12	115	1725	Series 100	\$393
111044	Motor	1/2	115/230	1725	PD35,60-1 1/2AA, 60-1 1/2A	\$1,570



Part No.	Description	HP	Price
111042	Motor	1/3	\$1,160

BELL & GOSSETT
RATED BALANCE VALVES

FLANGED AND GROOVED MODELS



Curve Booklet A560 and the system piping plan. With this procedure, system balance and start-up time is reduced dramatically. Pump impeller trim after system balance will reduce system horsepower and operating costs to minimum levels.

Part No.	Part No	Size	Conns	Weight In lbs (Kg)	Price
CB-1	117416	1	NPT	2 (.9)	\$220
CB-1/2S	117412	1/2	Sweat	1(.5)	\$145
CB-3/4S	117413	3/4	Sweat	1 1/4 (.6)	\$160

BELL & GOSSETT
REPLACEMENT MOTOR



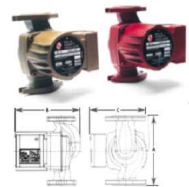
Part No.	HP	Volts	RPM	Used with	Price
169230	3/4	115/230	1725	PD37S & Series 60	\$1,745

SEAL KIT



Part No.	Description	Used with	Price
118681	SEAL KIT #7 N/S 100 TO 1522		\$55
186499	Seal Kit #2 FOR:38,39,40&60		\$183
186543	Seal Kit For 185014 Bearing Frame 1510 1531 Series B And Series 80 Pump call With Pump Specs. Before Ordering.	185014	\$475
186862	Seal Kit		\$240

BELL & GOSSETT
SERIES LR™ MAINTENANCE-FREE CIRCULATORS



Maximum					Standard 60Hz Motor Characteristics*				
Part No.	Part No	Flange Size Inches (NPT)	Operating Temperature	Working Pressure	Watts	Volts	FL Amps	RPM	Price
LR-20WR	106507	3/4, 1, 1-1/4, 1-1/2	225°F (107°C)	150 psi(10 bar)	125	115	1.10	2950	\$398

SERIES PL
BRONZE



Part No.	Part No	Flange Size Inches (NPT)	HP	Voltage	Approx Wtlbs Kg	Price
PL-30B	1BL013	3/4, 1, 1 1/4, 11/2	1/12	115	11.6 (5.3)	\$898
PL-36B	1BL003	3/4, 1, 1 1/4, 11/2	1/6	115	13.1 (6.0)	\$925

* 230/60/1 motors available upon request. Models PL-75 and PL-130 have four bolthole flange connection, all others have two bolt hde flange connectors.Dimensions are approximate and subject to changes. Contact factory for certified dimensions.

HVAC DISTRIBUTORS INC

HYDRONICS

Call or visit one of our 4 locations.

BOCK WATER HEATERS INC

GLASS-LINED STORAGE TANKS

STANDARD AND ASME CONSTRUCTION

ASME STORAGE TANK



Bock's storage tanks are perfect for all residential applications, particularly those with high-volume hot water demands. Today's homes not only require a dependable and economic hot water source for traditional uses like dishwashing, laundering and cleaning, but also one that offers fast recoveries to meet the demands of more sophisticated shower systems, whirlpools and radiant flooring systems. In commercial and industrial applications; from light demand to continuous-use requirements, combining a Bock storage tank with a boiler system makes them ideal for multi-dwelling units (MDUs - apartments, dormitories), place of worship, hospitality (hotels, motels), health care (hospitals, clinics, assisted living facilities), athletic facilities, (health clubs, spas, swimming pools), hair salons and beauty shops, farms (dairy barns), office buildings, correctional facilities, laundries, car washes, food service, schools and many more.

Overall					
Part No.	Storage (gal)	Shipping Weight (lbs)	Diameter	Height/Length	Price
119ST-GA	119	247	24"	60-1/2"	\$3,800

STANDARD STORAGE TANK



Bock's storage tanks are perfect for all residential applications, particularly those with high-volume hot water demands. Today's homes not only require a dependable and economic hot water source for traditional uses like dishwashing, laundering and cleaning, but also one that offers fast recoveries to meet the demands of more sophisticated shower systems, whirlpools and radiant flooring systems. In commercial and industrial applications; from light demand to continuous-use requirements, combining a Bock storage tank with a boiler system makes them ideal for multi-dwelling units (MDUs - apartments, dormitories), place of worship, hospitality (hotels, motels), health care (hospitals, clinics, assisted living facilities), athletic facilities, (health clubs, spas, swimming pools), hair salons and beauty shops, farms (dairy barns), office buildings, correctional facilities, laundries, car washes, food service, schools and many more.

Part No.	Storage (gal)	T&P Relief Value Conn	Intel/Return Conn	Hot Outlet Conn	Aquastat Conn	Shipping Weight (lbs)	Price
119ST	119	1"	2'	2"	3/4"	382	\$2,380

HYDRONICS

BOCK WATER HEATERS INC

OIL-FIRED WATER HEATERS

RESIDENTIAL/LIGHT COMMERCIAL



Providing quality in construction, efficiency in performance and durability in operation has earned Bock a bit of a reputation: we're recognized as the leader in oil-fired water heaters. Whatever your hot water needs, there's a Bock, just right for you: Bock water heaters are perfect for all residential applications, particularly those with high-volume hot water demands. Today's homes not only require a dependable and economic hot water source for traditional uses like dishwashing, laundering and cleaning, but also one that offers fast recoveries to meet the demands of more sophisticated shower systems, whirlpools and radiant flooring systems In commercial and industrial applications; from light demand to continuous-use requirements, our outstanding recovery capabilities make Bock water heaters ideal for multi-dwelling units (MDUs - apartments, dormitories), place of worship, hospitality (hotels, motels), health care (hospitals, clinics, assisted living facilities), athletic facilities, (health clubs, spas, swimming pools), hair salons and beauty shops, farms (dairy barns), office buildings, correctional facilities, laundries, car washes, food service, schools and many more.

Turboflue® - Bock's patented design is the industry's most advanced and efficient heat exchanger. Simply put, it heats water faster and uses less fuel, which reduces energy costs. - Durable and exclusive porcelain enamel glass is used to line all tanks and Turboflues. Highly resistant to aggressive water. Fresh silica mixed daily to provide the highest quality. **Built to last** - Hand-crafted from heavy gauge steel. Longer life equals a higher "Return on Investment". **Dual magnesium anode rods** - Inhibit corrosion and maximize tank life. Electrolysis attacks the anode rods, not the welded seams of the tank. **Double pressure tested** - Only Bock pressure tests its tanks twice. **Fully welded tank skirt** - prevents noxious flue gases from escaping between the tank and jacket. **Center flue design** - reduces tank flex for longer life. **Fiberglass insulation** - decreases standby heat loss. **Accurate temperature control**- Only Bock offers dual aquastats or operating and high limits, as standard. **Spring loaded inspection door** - Easy access for inspection and maintenance, also functions as a pressure relief valve. **Brass drain valve** - accessible. **Factory installed T&P valve** - CSA listed. **Hand-cast refractory lined combustion chamber** - Only one in the industry - better heat retention, warmer starts, better combustion, reduces noxious emissions. **UL listed. ASME construction** - available on selected models. **Externally mounted burner** - provides easy installation and maintenance. **5 year limited warranty** - on steel tank (single family residential installations). **3 year limited warranty (commercial)**

Part No.	Rated Input		Dimensions						
	BTU/HR	GPH	Storage (gal)	Burner Part #	Intel Pipe Dia	Outlet Pipe Dia	Return Pipe Dia	Shipping Weight (lbs) Standard	Price
32E	104,000	0.75	32	201R6	3/4"	3/4"	3/4"	272	\$1,775
33E	104,000	0.75	33	201R6	3/4"	3/4"	3/4"	278	\$1,975
50ES	104,000	1.00	50	201R6	1"	1-1/2"	1-1/2"	369	\$2,845
51E	152,000	1.10	50	203R6	1"	1"	3/4"	203R6	\$2,358

BURNERS

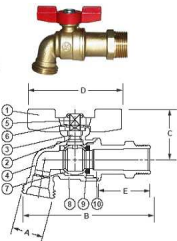


Part No.	Rated Input		Storage (gal)	Intel Pipe Dia	Outlet Pipe Dia	Return Pipe Dia	Shipping Weight (lbs) Standard	Price
	BTU/HR	GPH						
201R6	104,000	0.75	32	3/4"	3/4"	3/4"	272	\$855
203R6	152,000	1.10	50	1"	1"	3/4"	330	\$855

LEGEND VALVE

BALL VALVE HOSE BIBB

MODEL T-537



• Hose bibb - T-handle • 200 WOG • Ball valve • MIP x GHT• Forged brass body • Exceptional flow characteristics • 1/2" has combination 1/2" MIP and 1/2" solder inlet connection

Part No.	Size	Price
107-167	1/2"	\$20
107-168	3/4"	\$28

BOILER DRAIN FOR PEX TUBING

MODEL T-521P

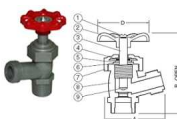


Features
• Boiler drain • 125 WOG • M.I.P. x hose • Cast brass• Heavy cast iron handwheel • Stuffing box • Sizes 1/2"-3/4" • 1/2" T-521 has combination 1/2" MIP & 1/2" solder inlet connection

Part No.	Size	Price
BLRDRN-1/2M	1/2"	\$8

CELCON BOILER DRAIN

MODEL T-625 M.I.P.

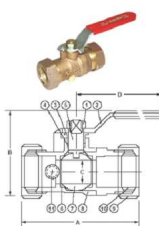


Features
• Celcon boiler drain • 125 WOG • Threaded ends• Max service temp: 180°F • Grey color

Part No.	Size	Price
BLRDRN-3/4M	3/4"	\$10

COMPRESSION END BALL VALVE

MODEL T-802



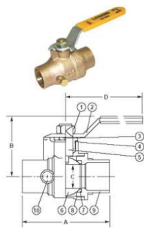
• 150 WSP-400 WOG • Conventional port • Drainable• Forged brass body • Teflon seats

Part No.	Size	Price
101-553	1/2"	\$23

LEGEND VALVE

DRAINABLE BALL VALVE (CXC)

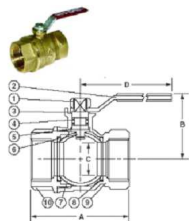
MODEL S-1102



Part No.	Size	Price
101-603	1/2"	\$15
101-604	3/4"	\$28

FULL PORT BALL VALVE

MODEL T-1001/S-1001

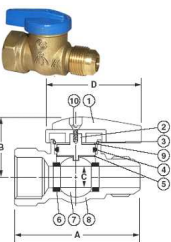


Legend 1001 series ball valves are constructed of heavy duty forged brass. They are designed for residential and commercial use on steam, water, oil or gas. Their full ports allow for a maximum of flow and a minimum of pressure drop or turbulence. The heavy duty blow-out proof stem utilizes two Teflon anti-friction washers and two Viton O-rings, so there's no gland follower (stem seal) that needs to be tightened. No stem seal means no maintenance, which means no call backs!

Part No.	Size (in)	Connection	Price
BALL-1S	1	sweat	\$28
BALL-1T	1	NPT	\$28
BALL-1/4T	1/4	FPT	\$20
BALL-3/8T	3/8	NPT	\$20
BALL-1/2S	1/2	sweat	\$13
BALL-1/2T	1/2	NPT	\$13
BALL-3/4S	3/4	sweat	\$18
BALL-3/4T	3/4	NPT	\$18
BALL-11/4S	1-1/4	sweat	\$50
BALL-11/4T	1-1/4	NPT	\$50
BALL-11/2S	1-1/2	sweat	\$63
BALL-11/2T	1-1/2	NPT	\$63

GAS BALL VALVES

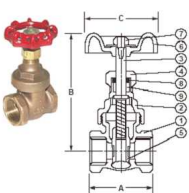
MODEL T-3000 FL X F.I.P.



Part No.	Size Size (inch)	Price
73495	1/2	\$18
73496	3/4	\$25

SCREW-OVER BONNET GATE VALVE

MODEL T-414/S-414



Part No.	Size	A (CxC)	Price
GATE-1S	1"	2.68	\$40
GATE-1T	1"	2.13	\$43
GATE-1/2S	1/2"	1.81	\$23
GATE-3/4S	3/4"	2.33	\$28
GATE-3/4T	3/4"	1.89	\$30
GATE-11/4T	1-1/4"	2.33	\$55

HYDRONICS

LEGEND VALVE

UNION

HOT WATER ANGLE RADIATOR VALVE SOLDER

MODEL T-437/S-437



Features:

- 60 WOG • Hot water angle valve • Sweat / Solder X Male IPS • Bronze body • Bronze disc • Phenolic handwheel

Part No.	Size	Price
UNELL-1/2	1/2"	\$20
UNELL-1/2S	1/2"	\$23

LETRO PRODUCTS

FLOW3S LDF359T FLOWMETER



Part No.	Description	Price
LDF359TMPT	Flow3S LDF359T Flowmeter - 1inch Brass, Threaded Ends, 2 to 16 Gallons Per Minute	\$258

MCDONNEL-MILLER

BOILER CONTROL REPLACEMENT PARTS

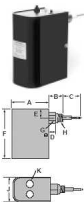
COMBINATION MECHANICAL WATER FEEDER-LOW WATER CUT-OFFS



Part No.	Description	Price
37-26	Gasket	\$14
37-39	Blow-Down Valve Gasket	\$8

LOW WATER CUT-OFFS – ELECTRONIC FOR STEAM BOILERS

NEW AND IMPROVED SERIES PS-800



Low Water Cut-Offs

- For residential and commercial applications
- Electronic operation

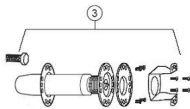
New Features:

- User-friendly diagnostics
 - Red low water and shorted probe LED
 - Green power and test LED
- Higher probe sensitivity: 7,000 ohms
- No lock out with loss of power if probe is in water
- Delay on Make (DOM) feature (15 seconds)
- Delay on Break (DOB) feature (10 seconds)
- No blow down of control required when mounted directly into boiler tapings
- Test button standard on all models
- Options available include
 - Manual reset
 - Extended barrel, remote and short probe models
- 120 volt and 24 volt models (24 volt models meet ANSI specification Z21.13a)
- Power consumption 1.7 VA
- Provisions to add alarm or automatic water feeder
- Maximum ambient temperature 120°F (49°C)
- Maximum steam pressure 15 psi (1 kg/cm2)
- Maximum water temperature 250°F (121°C)

Part No.	Description	Price
PS-801-120	Low Water Cut-Off 120V	\$302

MCDONNELL-MILLER

BOILER CONTROL REPLACEMENT PARTS
LOW WATER CUT-OFFS – FLOAT TYPE FOR STEAM BOILERS
FLOAT - BELLONS ASSEMBLY



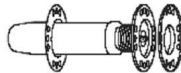
Part No.	Description	Price
SA67-2	Float And Bellows Assembly	\$146

SERIES 61 LOW WATER CUT-OFFS-COMPONENTS



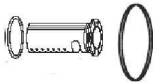
Part No.	Description	Price
11	Switch	\$188

SERIES 67 LOW WATER CUT-OFFS-COMPONENTS



Part No.	Description	Price
67-12	Gasket	\$8

SERIES 69 LOW WATER CUT-OFFS-COMPONENTS



Part No.	Description	Price
69-112	Gasket	\$10
69-114	O-Ring	\$8

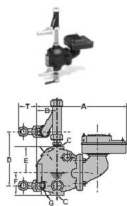
HYDRONICS

MCDONNELL-MILLER

BOILER CONTROLS

LOW WATER CUT-OFFS – MECHANICAL COMBINATION LOW WATER CUT-OFF/PUMP CONTROLLERS FOR STEAM BOILERS

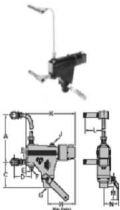
SERIES 42 LOW WATER CUT-OFF/PUMP CONTROLLERS



Part No.	Description	Weight lbs (kg)	C NPT	G NPT	Price
42A	42 W/Quick Hook-Up Fittings	21.3 (9.7)	1	1/2	\$1,186

LOW WATER CUT-OFFS – MECHANICAL FOR STEAM BOILERS

SERIES 67



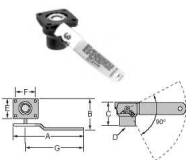
Low Water Cut-Offs

- For residential and commercial applications • For boilers of any steaming capacity • Quick hook-up fittings provided • Lever-operated, full port ball valve for easy blow down • Adjustable BX outlet for easy installation • Maximum steam pressure 20 psi (1.4 kg/cm2) • Dual precision switches for dependable operation of the low water cut-off and alarm or electric water feeder • Optional features - Low voltage switches for self-generating millivolt circuits - Manual reset switch • Large float chamber

Part No.	Description	NPT	Weight lbs (kg)	Price
67	Low Water Cut-Off w/quick hook-up	3/4	10 (4.5)	\$416

VALVES

SERIES 14-B BALL TYPE-BOW DOWN VALVE



Part No.	Description	NPT	Price
14-B	Blow Down Valve	3/4	\$126

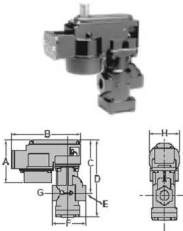
HYDRONICS

MCDONNELL-MILLER

BOILER CONTROLS

WATER FEEDERS – ELECTRIC

SERIES 101-A

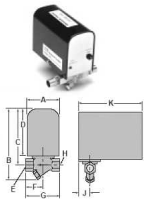


Series 101-A Electric Water Feeders

• For low pressure steam boilers with cold water feed • Eliminates necessity to manually add water to the boiler • Can be used with mechanical or electronic low water cut-off controls • Quick-change replaceable cartridge valve and strainer • Manual feed button • Model 101-A features a 120 VAC solenoid • Model 101-A-24 features a 24 VAC solenoid and a separate 50VA transformer • Maximum water supply pressure 150 psi (10.5 kg/cm2) • Maximum boiler pressure 25 psi (1.8 kg/cm2) • Maximum inlet water temperature 120°F (49°C) • Maximum power consumption - 40 VA at 24 VAC - 40 VA at 120 VAC

Part No.	Description	Weight lbs	NPT	Price
101A	Electric Water Feeder, 120V	2.8	1/2	\$506

SERIES WF UNI-MATCH



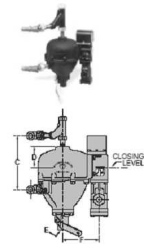
Electric Water Feeders

• For low pressure steam boilers with cold water feed • Three position slide switch allows the timing cycle to be matched to that of the major low water cut-off manufacturers • Field adaptable feed rate - 1, 2, or 4 gpm (3.8, 7.6, or 15.1 lpm) • Electronic operation provides consistent, accurate cycle-to-cycle repeatability • Universal design simplifies selection and reduces stock • Can be used with mechanical or electronic low water cut-off controls • Manual feed button • Includes 3/8 NPT thread x 1/2" (13mm) tubing adapters for quick installation with 1/2" (13mm) copper tubing • Easy to clean strainer • Maximum water pressure 150 psi (10.5 kg/cm2) • Maximum boiler pressure 15 psi (1 kg/cm2) • Maximum water temperature 120°F (49°C) • Maximum ambient temperature 100°F (38°C) • Maximum power consumption (during water feed only)- 15 VA at 24 VAC - 20 VA at 120 VAC (50 or 60 Hz)

Part No.	Description	Weight lbs	NPT	Price
WF-2-U-120	Electric Water Feeder, 120V	2.8	3/8	\$432
WF-2-U-24	Electric Water Feeder, 24V	2.8	3/8	\$432

WATER FEEDERS – MECHANICAL

SERIES 47-2 MECHANICAL WATER FEEDERS/LOW WATER CUT-OFFS

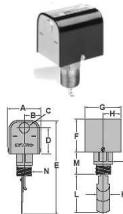


Part No.	Description	Weight lbs (kg)	Price
47-2	47 W/No. 2 Switch	28.5 (13.0)	\$990

MCDONNEL-MILLER

FLOW SWITCHES

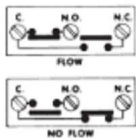
SERIES FS4-3 GENERAL PURPOSE LIQUID FLOW SWITCHES



General Purpose Liquid Flow Switches
• Universal design serves the widest variety of applications • Replacement for common flow switches from Johnson/Penn,Potter/Taco, Watts, Hydrolevel and other manufacturers • 1" NPT • Two electrical knock-outs allows connection from either end • Sensitivity adjusting screw makes flow adjustment easy • Single pole, double throw snap switch • Sealed Monel bellows • Four stainless steel paddles included - 1", 2", 3" & 6" • Optional features - Time delay (5 or 20 seconds) - Two SPDT switches to make or break two separate circuits - Reinforced paddles - Materials of construction suitable for corrosive liquids - Fire sprinkler service - Model FS4-3F only - BSPT threads • Minimum temperature (fluid or ambient) 32°F (0°C) • Maximum temperature 300°F (149°C) • Maximum pressure 160 psi (11.3 kg/cm2)

Part No.	Description	Weight lbs (kg)	Price
FS4-3	General Purpose Flow Switch	1.9 (0.9)	\$192

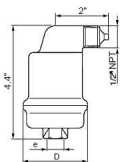
LIQUID FLOW SWITCHES



Part No.	Description	NEMA Enclosure	Price
FS8W	Liquid Switch Gen Purp Nema 4X	Type 4X – Watertight, Dust Tight And Corrosion Resistant	\$260

SPIROTHERM INC

SPIROTOP AIR RELEASE VALVE

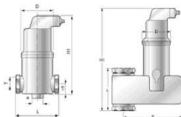


Part No.	Vent Head	Float	Seal	O-Ring	Max		Pipe Size	Thread FPT	Weight(lbs)	Price
					Working Pressure	Operating Temp				
VTP050FT	Brass	Non-Ferrous	Viton	Viton	150Psig	270o F	1/2"	1/2"	2.0	\$133

SPIROVENT

JUNIOR SERIES MICROBUBBLE SEPARATORS AND DIRT SEPARATORS

SPIROVENT JUNIOR AIR ELIMINATOR



Part No.	Pipe Size	Thread NPT	Threaded Lbs	Wt		Vertical Lbs	Price
				Sweat Lbs			
VJR100TM	1"	1"	3.5	3		5	\$235
VJR125TM	1 1/4"	1 1/4"	4	3.5		6.0	\$315
VJR150TM	1 1/2"	1 1/2"	4.5				\$410

HYDRONICS

STERLING HOT WATER BASEBOARD

PETITE 7
ASSEMBLY



Part No.	Color	Element Size	Length	Price
P77A-10	White	3/4"	10 ft	\$148
P77A-2	White	3/4"	2 ft	\$28
P77A-3	White	3/4"	3 ft	\$43
P77A-4	White	3/4"	4 ft	\$58
P77A-5	White	3/4"	5 ft	\$73
P77A-06	White	3/4"	6 ft	\$85
P77A-07	White	3/4"	7 ft	\$100
P77A-08	White	3/4"	8 ft	\$115

PETITE 7 ENCLOSURE ONLY



Part No.	Length	Price
P7C-8	8 ft	\$68

PETITE 7 ELEMENTS



Element Only

Part No.	Element Size	Length	Price
7ME4-8	3/4"	8 ft	\$50

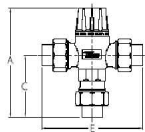
PATITE 7 ACCESSORIES



Part No.	Description	Price
APA859-SW	Touch-Up Paint Wihte	\$43
P-TUP	Touch-Up Spray Paint	\$43
P-95	4" Wall Trim	\$10
P-97	7" Splicer Strip (3 pieces)	\$18
P-101	Plastic Glide Set	\$5
P-104	Hanger Bracket, Plastic Glide & Damper Pivot	\$8
P7EC-3LH	Left hand end cap	\$13
P7EC-3RH	Right hand end cap	\$13
P7IC-90	Inside corner	\$10
P7SPLC-02	Splice Strip 2^ (2 piece)	\$5
P7SPLC-14	Splice Strip 14^ (4 piece)	\$33
P7SPLC-JT	Joiner Trim 2^ (1 piece)	\$10
P7SUP-HKS	Supply Support Hooks	\$3
PTTUB-4NCR	Return Tubing Hanger	\$3
WE512-W06092	Return Bend 3/4"ID X 2-1/2"CL	\$13

TACO

5000 SERIES MIXING VALVE



- Features**
- Fail-Safe on Hot or Cold Supply Failure • Deliver Stable Mixed Water Temperature • ASSE 1017 Certified • High Flow • Low Headloss • Dual Purpose Mixing Or Diverting Valve • Extended Mix Temperature Range of 85°F-150°F • Ideal For Domestic Water And Radiant Applications • Lockable Handle • Available 1/2", 3/4", 1"

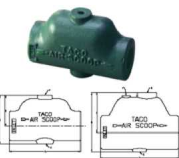
Part No.	Valve Size		Price
	IN		
5002-C1	1/2"		\$208
5003-C1	3/4"		\$220
5004-C1	1"		\$258

MIXING VALVE REPAIR KIT

Part No.	Description	Price
5002-001RP	Mixing Valve Repair Kit	\$140

AIR ELIMINATION & CONTROL

AIR SCOOP



- Features**
- One Piece Cast Iron Construction • Engineered Baffle to Separate Air from Water • Never Requires any Servicing

Part No.	Size	Price
431	1"	\$45
432	1 1/4"	\$45
433	1 1/2"	\$113
434	2"	\$130

AUTOMATIC AIR VENTS



- HY-Vents**
- Taco Hy-Vents have become the industry standard for dependable long life service. Available in 1/8", 1/4" and 1/2" x 3/4" threaded connections, the high capacity float style vents can be placed either on the boiler or at the high points throughout the system.

Part No.	Description	Max		
		System Conditions	Venting Pressure	Price
400	Hy-Vent®	150 psi, 240°F	50 psi	\$405
426	Hy-Vent®	150 psi, 240°F	50 psi	\$83

ELECTRONIC CONTROLS

LOW WATER CUTOFF

MODEL LNA



- UL Guide (MBPR) for Limit Controls per UL Standard 353 Limit Controls
- UL Guide (MCUR2) for Electrode Assemblies - Component
- CUL per CSA Standard C22.2 No. 24-93 for temperature indicating and regulating equipment

Part No.	Probe Fitting Thread	Maximum Pressures		Maximum		Delay On		Price
		Steam	Hot Water	Probe Temperature	Ambient Temperature	Make (DOM)	Break (DOB)	
LNA0243S-1	3/4" NPT	15 psi(1 kg/cm2)	160 psi (11.2kg/cm2)	250°F (121°C)	120°F (49°C)	Adjustable, 0 or 15 seconds	Adjustable, 0,15,30,45 or 60 seconds	\$240
LNA1203S-1	3/4" NPT	15 psi(1 kg/cm2)	160 psi (11.2kg/cm2)	250°F (121°C)	120°F (49°C)			\$240

TACO
ELECTRONIC CONTROLS
LOW WATER CUTOFF
MODEL LT



• UL Guide (MBPR) for Limit Controls per UL Standard 353 Limit Controls • UL Guide (MCUR2) for Electrode Assemblies - Component • CSA Class (4812 05) for Signal Appliance - Systems per CSA Standard C22.2 No. 205-M1983 • FM Approved

Part No.	Fitting Thread	Probe Length	Sensitivity	Maximum Pressures		Maximum		Price
				Steam	Hot Water	Probe Temperature	Ambient Temperature	
LTM0243N-1	1/2" and 3/4" NPT	2.5" (normal) probe or 1.31" (short) probe	Adjustable, 3K-7K Ohms	15 psi(1 kg/cm2)	160psi(11.2 kg/cm2)	250°F (121°C)	120°F (49°C)	\$423

FLOW CONTROL
FLO-CHEK



Purpose
Taco Flo-Cheks are used in a forced hot water heating system to prevent "gravity" circulation during periods when the boiler is hot but the space heating zone is not wanted. This makes it possible for the use of the heating boiler to maintain domestic hot water year round.

Part No.	Size	Body	Type	Connections		Price
				Inlet	Outlet	
218	3/4"	C.I.	Univ.	NPT	NPT	\$75
219	3/4"	Bronze	Horiz.	Sweat	Sweat	\$75
220	1"	C.I.	Univ.	NPT	NPT	\$78
221	1 1/4"	C.I.	Univ.	NPT	NPT	\$702
222	1 1/2"	C.I.	Univ.	NPT	NPT	\$183
223	2"	C.I.	Univ.	NPT	NPT	\$280
241	1"	Bronze	Horiz.	Sweat	Sweat	\$105

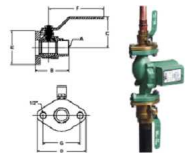
FREEDOM FLANGES BRONZE HALF-UNIONS
BRONZE FREEDOM FLANGES



• Fits All "00" circulators • Easy-On, Easy-Off with a common Adjustable Wrench • Available in Ductile Iron (stronger than cast iron), 3/4" - 2" Bronze Threaded, 3/4" - 2" , Bronze Sweat, 1/2" - 1-1/2"

Part No.	Size	Price
	Size	
110-251	3/4" NPT	\$20
110-252	1" NPT	\$20
110-253	1-1/4" NPT	\$20

WATER CIRCULATION PUMPS & CIRCULATORS
SHUT-OFF FREEDOMFLANGE



Features
• Easy 1/4-turn Open/Close Operation • Positive Shut-off, Leak Free Design • Solid Brass Uni-Body Construction • Chrome/Brass Valve Ball • High Quality Teflon Seats • Full Port Ball Valve For Unrestricted Flow • 150# WP, 600 WOG • Available Sizes: 1/2" - 1-1/2" NPT 1/2" - 1-1/4" Sweat • Includes Bolts, Nuts and Optional T-handle

Part No.	Size	Weight/Set lbs (kg)	Price
243-1	3/4" NPT	3.0 (1.4)	\$55
244-1	1" NPT	3.5 (1.6)	\$70
245-1	1-1/4" NPT	4.0 (1.8)	\$85

HVAC DISTRIBUTORS INC

HYDRONICS

Call or visit one of our 4 locations.

TACO

WATER CIRCULATION PUMPS & CIRCULATORS

MODEL 006 CARTRIDGE CIRCULATOR



Features • Standard High Capacity Output-Compact Design • Optional Variable Speed or Priority Zoning Control • Quiet, Efficient Operation • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Cast Iron, Flanged Construction

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
006-115	115	60	1	.52	3250	1/40	Permanent Split Capacitor Impedance Protected	\$413

WATER CIRCULATION PUMPS & CIRCULATORS

MODEL 007 CARTRIDGE CIRCULATOR



Features

• Standard High Capacity Output-Compact Design • Quiet, Efficient Operation • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Universal Flange to Flange Dimensions • Cast Iron or Bronze Construction

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
007-115	115	60	1	.70/.76	3250	1/25	Permanent Split Capacitor Impedance Protected	\$148

MODEL 007-IFC CARTRIDGE CIRCULATOR



Features

• Integral Flow Check (IFC®) • Simplifies piping • Prevents gravity flow / reverse flow • Eliminates separate in-line flow check • Reduces installed cost • Improves system performance • Easy to service • Unique replaceable cartridge-Field serviceable • Unmatched reliability-Maintenance free • Quiet, efficient operation • Self lubricating, No mechanical seal • Wide range of applications • Cast Iron or Bronze construction, • Flanged connections

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
007-115-IFC	115	60	1	.71/.76	3250	1/25	Permanent Split Capacitor Impedance Protected	\$168

MODEL 008 CARTRIDGE CIRCULATOR



Features

• Standard High Capacity Output-Compact Design • Quiet, Efficient Operation • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Universal Flange to Flange Dimensions • Cast Iron or Bronze Construction • Sweat Connections - Optional

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
008-115	115	60	1	.79/.84/.84	3250	1/25	Permanent Split Capacitor Impedance Protected	\$278

MODEL 009 CARTRIDGE CIRCULATOR



Features

• Standard High Capacity Output-Compact Design • Quiet, Efficient Operation • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Universal Flange to Flange Dimensions • Cast Iron or Bronze Construction

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
009-115	115	60	1	1.40	3250	1/8.	Permanent Split Capacitor Impedance Protected	\$505

MODEL 0010 CARTRIDGE CIRCULATOR



• Exclusive ACB Anti-Condensate Baffle with Ambient Air Flow-Protects Motor Windings against Condensate Buildup • High Velocity Performance-Compact Design • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Quiet, Efficient Operation • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Universal Flange to Flange Dimensions • Cast Iron or Bronze Construction

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
0010-115	115	60	1	1.10/1.17	3250	1/8	Permanent Split Capacitor Impedance Protected	\$428

HYDRONICS

TACO

WATER CIRCULATION PUMPS & CIRCULATORS

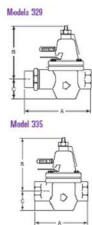
MODEL 0011 CARTRIDGE CIRCULATOR



- Exclusive ACB Anti-Condensate Baffle with Ambient Air Flow-Protects Motor Windings against Condensate Buildup • High Velocity Performance-Compact Design • Direct Drive-Low Power Consumption • Unique Replaceable Cartridge Design-Field Serviceable • Quiet, Efficient Operation • Self Lubricating • No Mechanical Seal • Unmatched Reliability-Maintenance Free • Universal Flange to Flange Dimensions • Cast Iron or Bronze Construction

Part No.	Volts	Hz	Ph	Amps	RPM	HP	Motor Type	Price
0011-115	115	60	1	1.76	3250	1/8	Permanent Split Capacitor Impedance Protected	\$480

PRESSURE REDUCING VALVES, DUAL CONTROLS



Features

- Fast Fill Rate on All Models. • Exclusive Fast Fill Lever Lock. • Built-In Check to Prevent Emptying the System if Incoming Pressure Fails. • Adjustable Set Pressure of 10 to 25 psi. • Pressure Setting Adjustment Separated from Fast Fill Lever for Easy, Fast Adjustment.

Part No.	Material	Shipping Weight	
		Size (inch)	Price
329	Cast Iron	1/2	\$90
335	Bronze	3/4	\$173

SR SERIES SWITCHING RELAYS



Features

- External Indicator Lights • Priority • Simplified Wiring • Fully Enclosed Snap-Out Relays • Compact Design • Fuse Protected • 100% Factory Tested • Isolated End Switch • Contractor Friendly PC Board Layout • Universal Thermostat Compatibility • UL Approved • 24 volt Power Input or Output Terminal • Extended 3 Year Warranty • Made in the USA

Part No.	Number Of Zones	Transformer Voltage	Maxmium Combined Load	Dimensions			Price
				Width	Height	Enclosure Depth	
SR-501	1 Zone	120 VAC Input	7.2 amps	4 1/4"	5 1/4"	2 3/4"	\$123
SR-502	2 with Priority	120 VAC Input	15 amps	10 1/4"	6 3/4"	2 3/4"	\$270
SR-503	3 with Priority	120 VAC Input	15 amps	10 1/4"	6 3/4"	2 3/4"	\$310
SR-504	4 with Priority	120 VAC Input	20 amps	10 1/4"	6 3/4"	2 3/4"	\$443
SR-506	6 with Priority	120 VAC Input	20 amps	11 3/4"	7 1/2"	3"	\$480

REPLACEMENT RELAY



Part No.	Connection	Price
SR024-001RP	24 Volt	\$45

ICE CUBE RELAY



Part No.	Description	Price
SR120-001RP	120 Volt "Ice Cube" Relay For Taco SR Series Switching Relay Panels	\$48

HYDRONICS

TACO

TACO ESP ZONE VALVES



Gear Driven, Capacitor Powered Valves That Have Very Low Power Consumption - Run Up To 10 Zone Valves Per 40 VA Transformer

Part No.	Description	Price
E050C2-1	1/2" 'ESP' Zone Valve - Sweat Connection	\$195
E075C2-1	3/4" 'ESP' Zone Valve - Sweat Connection	\$205
E100C2-1	1" 'ESP' Zone Valve - Sweat Connection	\$218

WATER CIRCULATION PUMPS & CIRCULATORS

PRIORITY ZONING CIRCULATOR

**Features**

• "00" Reliability • Snap-in PC Board • Optional Integral Flow Check (IFC) • Low and High Voltage Terminal Strips • UL Listed • Simplified Wiring • LED Power Light • 100% Factory Tested • Works With Other Circulators or Zone Valves • Universal Thermostat Compatibility • Available In Sizes 003 - 0014 • Patented Design • Made in the USA

Part No.	Description	Price
007-ZF5	Zoning Circulator 007	\$368

ZONE AND FLOW CONTROL VALVES

HEAT MOTOR ZONE VALVES



Taco Geothermal Valves are designed for high-head, open-system zone control. The unique end switch design permits control of the heat pump by the valve, allowing cold water into the coil before the heat pump starts. Available in 3/4" threaded, 3/4" and 1" sweat connections.

Part No.	Connection	Style	Price
5101G2-3/4	3/4" Threaded	2-Way	\$410
556-G2	3/4" Sweat	2-Way	\$388
557-G2	1" Sweat	2-Way	\$413
561-3/4	3/4" Sweat	3-Way	\$353
570-1/2	1/2" Sweat	2-Way	\$210
571-3/4	3/4" Sweat	2-Way	\$190
572-1	1" Sweat	2-Way	\$233
573-11/4	1 1/4" Sweat	2-Way	\$298

TRIANGLE TUBE PHASE III

STAINLESS STEEL INDIRECT FIRED WATER HEATERS

SMART SERIES



• Durable, corrugated stainless steel inner tank • Steel outer tank completely insulated with 2" of HCFC free water blown polyurethane foam. • Baked enamel steel jacket for TR models and sturdy plastic exterior jacket for the Smart. • Factory supplied automatic air vent. • Complete control system includes: -Adjustable thermostat • Limited LIFETIME warranty residential • 15 year limited warranty commercial

Part No.	Dimension	Height	Domestic			Heating				Price
			Boiler/Sup ply Return	Intel/Outle t	Capacity (gal)	3rd Domestic Connection	Water Capacity (gal)	Surfce (sq ft)	Empty Weight (lbs)	
Smart 40	22" dia.	46"	1"	3/4"	36	3/4"	6	16	135	\$1,634
Smart 50	22" dia.	57"	1-1/4"	3/4"	46	3/4"	8	20	165	\$1,982
Smart-80	26" dia.	61"	1-1/4"	1-1/2"	70	1-1/2"	14	28	315	\$2,872

VRV PRODUCTS

QUIET-ONE

KICKSPACE HEATER



• The series 2000 kickspace heater is whisper quiet • 4000,6000 or 8000 BTU/HR • Small and compact, will fit in most tight spaces or hard to heat areas • These heaters are totally enclosed units which slip easily under a cabinet or in a wall between studs (units are 13-7/8" wide) • The optional KSWK recessed wall kit enables vertical installation with a flush mounted grill • 120v two speed fan • Supply and return are 1/2" sweat connections • UL listed • Free shipping UPS ground to the lower 48 states

Part No.	Description	Btu	Price
KS2004	QuietOne Kickspace Heater	4100	\$365
KS2006	QuietOne Kickspace Heater	6800	\$485
KS2008	QuietOne Kickspace Heater	8600	\$538
KS2010	QuietOne Kickspace Heater	10,500	\$695

KICKSPACE HEATER SERIES

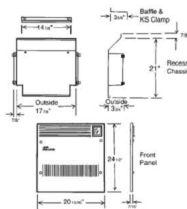
MODEL KSWK RECESSED WALL KIT



• The KSWK recessed wall kit accepts either the Quiet-One 2000 KS2004, KS2006, or KS2008 kickspace heater. • Whisper quiet efficient operation. • Easily mounted between 16" O.C. Studs. • Attractive grille design. • Two position speed switch (Max.-Off-Min.) hidden behind access door. • Water vent easily accessible for venting air.

Part No.	Description	Price
KSWK	Recessed Wall Kit KS2004 6 8	\$245

MODEL KSWK 2010 RECESSED WALL KIT



• The KSWK 2010 recessed wall kit accepts the QUIET-ONE 2000 KS 2010 ickspace heater. • Whisper quiet efficient operation. • Attractive grille design. • Two position speed switch (Max. - Off - Min.) hidden behind access door. • Water vent easily accessible for venting air.

Part No.	Description	Price
KSWK2010	Recessed Wall Kit KS2010	\$310

QUIK FIT HOSE KIT

Part No.	Description	Price
QFHK-8	Quick Fit Hose Kit	\$140

WATTS REGULATOR

ASME WATER PRESSURE RELIEF VALVES

SERIES 174 A , 374, 740 WATTS



Series 374A Boiler Pressure Relief Valves are used in hot water boiler applications to protect against excessive pressure on all types of hot water heating boiler equipment. It consists of an iron body construction with forged bronze inlet connections, non-metallic disc-to-metal seating, stainless steel spring, and test lever. Series 374A resists corrosive water conditions, sticking and freezing, and prevents water and sediment from being trapped in the seat. It is designed for emergency safety relief and shall not be used as an operating control. Standard Pressure Setting: 30psi (206.9 kPa), Pressure Range: In 5psi (34.5 kPa) increments from 30 to 150psi (2 to 10 bar) with corresponding high ratings at 550,000 BTU/hr.

Part No.	Description	Size (in)	Pressure range	Price
374A-3/4-30	Boiler Pressure Relief Valves	3/4 in	550,000 BTU/HR at a 30psi	\$75

HYDRONICS

WATTS REGULATOR

AUTOMATIC RE-SEATING T & P RELIEF VALVES

SERIES 40



Part No.	Size In	Price
40XL-8-125	3/4 M x 3/4F	\$323

COMBINATION FILL VALVE AND BACKFLOW PREVENTER

SERIES 911



Part No.	Description	Size (in)	Price
911S-M3	Combination Fill Valve and Backflow Preventers	1/2 in	\$225

DUAL CHECK VALVE WITH INTERMEDIATE ATMOSPHERIC VENT

SERIES 9 D



Series 9D Dual Check Valves with Intermediate Atmospheric Vent prevent the reverse flow of hot or cold polluted water from entering into the potable water supply. It consists of a brass body with stainless steel internal parts, integral strainer, and two durable, tight-sealing, rubber check valves. Series 9D is designed for continuous pressure, non-health hazard applications in smaller supply lines, such as laboratory equipment, processing tanks, sterilizers, dairy equipment, and specifically for boiler feed lines. Minimum Working Pressure: 25psi (172kPa), Maximum Working Pressure: 175psi (12.06 bar)

Part No.	Description	Size (in)	Price
9D-1/2	Dual Check Valves with Intermediate Atmospheric Vent	1/2 and 3/4 in	\$105

FILL VALVE



Series 1156F High Capacity Feed Water Pressure Regulators are for use in commercial and residential hydronic heating systems to fill the boiler and piping system with water, and to maintain water pressure in the system at all times. It also provides make-up water to the system in the event of system leaks. It consists of an iron and bronze body construction with NPT threaded inlet and outlet connections, a tight seating check valve, purge lever for manual purging, and a stainless steel strainer. Series 1156F has high capacity performance and simplified servicing design. It is suitable for use in the boiler feed lines of hydronic heating systems. Also available with union solder or union threaded connections. Maximum Pressure: 100psi (6.9 bar).

Part No.	Description	Price
S1156F	Fill Valve 1/2" Iron 15PSI	\$100

HOT WATER EXTENDER TEMPERING VALVES

SERIES 70 A



You can meet various installation requirements with the Watts 70A Series Hot Water Extender Tempering Valves. They are available in 1/2" and 3/4" (15 - 20mm) sizes, with sweat or threaded connections. Temperature range 120° to 160°F (49° - 71°C). The hydraulically-operated thermostat opens a spring loaded check in the cold water inlet allowing cold water to mix with the hot water. They have unusually high capacity for their size. For example, the 3/4" (20mm) 70A-T used for smaller domestic and residential requirements, passes over 10 gpm (38 lpm) with a 10 psi (70 bar) pressure drop. Maintenance is simple too, as the thermostat is easily removed and replaceable as a unit. Valve bodies are of brass construction that is recognized and required to resist corrosive domestic hot water conditions. No. 70A-F furnished in 1/2" (15mm) size with sweat connections.

Part No.	Description	Size (in)	Price
70A-F	Hot Water Extender Tempering Valves	1/2in	\$90

WATTS REGULATOR

PRESSURE RELIEF VALVE



Bronze body safety relief valve for low pressure protection only on residential boiler equipment. Male inlet and female outlet connection.

Part No.	Description	Size In	Price
M335	30 psi	3/4 F NPT	\$33

STEAM SAFETY VALVES

SERIES 415



Series 415 ASME rated Steam Safety Relief Valves provide high quality dependable low cost protection for any low pressure steam heating equipment operating up to 15psi. Available at lower settings, such as 8psi for pressure cooker and steam cleaning equipment requirements. Consult your local Watts agent for ratings at lower pressure settings. Satin chrome finish also available, model SC. Series 415 steam safety valves feature a stainless steel spring, a top guided stem and non-stick Teflon® disc to metal seating to assure positive shutoff.

Features • High capacity • Positive shut off• Non-sticking Teflon® disc • Seat located above drain • NPT threaded male inlet x threaded female outlet (drain) connection

Part No.	Size (in)	Discharge Capacity lbs/hr @ 15psi	Price
415-M1-3/4	3/4 to 1 1/2 in	450	\$158

TEMPERATURE AND PRESSURE RELIEF VALVES

BRONZE BODY



Temperature relief 210°F. Use 3/4² sizes for gas, electric, or oil-fired storage water heaters between 180,000 and 200,000 BTU/Hr. rating. Use 1² sizes for gas or oil-fired storage water heaters between 200,000 and 730,000 BTU/Hr. rating, compliance with applicable water-heating labeling requirements. Bronze body, vacuum relief valve vent in drain, back-up emergency safety fuse plug, tamper-resistant bonnet screws. Model M12 thermostat (included) has thermo-bonded (non-metallic) protective coating, which regards accumulation of mineral deposits. Compliances. ASME Rated. AGA Design Certified. CGA Listed.

Part No.	Description	Size In	Price
40XL-4-125	Automatic Reseating Temperature and Pressure Relief Valves	1M x 1F	\$420
40XL-5-125	Automatic Reseating Temperature and Pressure Relief Valves	3/4M x 3/4F	\$265

SERIES 100 XL



Series 100XL Temperature and Pressure Relief Valves are used in water heater and hot water storage tank applications to provide automatic temperature and pressure protection to hot water supply tanks and hot water heaters up to 100,000 BTU/hr. They feature a bronze body with NPT male inlet and NPT female outlet connections, unique thermostat with special thermo-bonded coating, and a test lever. Model 100XL-8 is also available with 8 in. (200mm) extension thermostat. Series 100XL is ASME rated and CSA listed. Temperature Relief: 210°F (99°C), Pressure Relief Range: 75 to 150psi (5.2 to 10.3 bar), Standard Pressure Settings: 75, 100, 125, or 150psi (5.27, 7.03, 8.79, or 10.55 bar).

Part No.	Description	Size In	Setting psi	Price
100XL-4-3/4	Has test lever, 4" extension thermostat.	3/4M x 3/4F	150	\$18

SELF-CLOSING - BRONZE BODY



For water heaters up to 100,000 Btuh/Hr. Allbronze body, stainless steel spring. Thermostats have thermo-bonded (nonmetallic) protective coating. Temperature relief 210°F. Pressure relief set at 150 lbs. Compliances. ASME Rated. Meet current FHA, ANSI Z21.22 Requirements.AGACertified. CGA Certified. Military Spec. MIL-V-136-12D, Type I Compliant.

Part No.	Description	Size In	Setting psi	Price
100XL-8-125	Has 8" extension thermostat.	3/4Mx 3/4F	125	\$63

HYDRONICS

HOFFMAN CONTROLS

STEAM MAIN VENT



Part No.	Description	Price
4A	End of Main Vent 1/2" x 3/4" Connection	\$70

62 VACUUM BREAKER

3/4 IN MNPT STRAIGHT



Part No.	Description	Price
62	Hoffman 62 Vacuum Breaker - 3/4 In Mnpt Straight	\$383

HOFFMAN SPECIALITY

STEAM TRAPS

THERMOSTATIC TRAPS



Part No.	Available Sizes	Max Operating Pressure	Configuration	Price
17C-1/2A	1/2 ", 3/4 " & 1"	25 psi	Angle	\$125

PUMPS

BOILER FEED UNITS

SERIES VBF

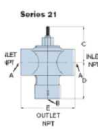


Part No.	Pumps	GPM	HP	Gal	Price
30VBFS-B	Simplex	9	1/3	30	\$3,768

REGULATORS

TEMPERING VALVES

SERIES 21



Part No.	Adjustable Temperature Ranges	Size (inch)	Price
21H-1	100–200°F (38–93°C)	1	\$755
21H-1-1/2	100–200°F (38–93°C)	1 1/2	\$755
21H-1-1/4	100–200°F (38–93°C)	1 1/4	\$755
21H-3/4	100–200°F (38–93°C)	3/4	\$755
600124 Thermostat	100–200°F (38–93°C)	3/4 and 1	\$755
600125 Thermostat	100–200°F (38–93°C)	1-1/4 and 1-1/2	\$755

HOFFMAN CONTROLS

STEAM TRAPS

FLOAT AND THERMOSTATIC STEAM TRAPS



• Resistant to water hammer and corrosion • Below condensate level seat design prevents steam leakage • Rugged stainless steel thermostatic element eliminates air binding • Stainless steel internal components • Can be serviced without dismantling piping • Maximum operating pressure 175 psig (12.1 bar) • Maximum temperature 377°F (192°C)

Part No.	Size(inch)	Price
FT015H-1	1	\$385
FT015H-1-1/4	1-1/4	\$483
FT015H-3/4	3/4	\$325

VENTS

MAIN STEAM VENTS



Maximum				
Part No.	Mfg No	Operating Pressure	pressure	Price
75	401434	3 psig (0.2 bar)	15 psig (1.0 bar)	\$158
75H	401437	10 psig (0.7 bar)	15 psig (1.0 bar)	\$168

RADIATOR STEAM VENTS

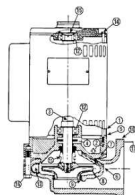
AIR VALVE NON-VACUUM



• Float-type vent • Adjustable port for true proportional venting -6 port settings from slow (1) to fast (6) • 1/8" NPT angle connection

Maximum				
Part No.	Mfg No	Operating Pressure	pressure	Price
1A	401422	11/2 psig (0.1 bar)	10 psig (0.7 bar)	\$63

WATCHMAN SEAL KIT



Part No.	Description	Price
180013	Seal Kit including Mechanical Seal, Head Gasket & Case to Receiver Gasket	\$138

Y-STRAINERS

SCREWED NPT END



Steam Service				Water Service		Price
Part No.	Body Material	Pressure Psig (Bar)	Temperature °F (°C)	Pressure Psig (bar)	Temperature °F (°C)	
415C-1	Cast Iron	250 (17.3)	400 (204)	400 (28)	100 (38)	\$70
415C-1-1/4	Cast Iron	250 (17.3)	400 (204)	400 (28)	100 (38)	\$78
415C-3/4	Cast Iron	250 (17.3)	400 (204)	400 (28)	100 (38)	\$53
420C-1	Cast Brass	300 (20.6)	400 (204)	400 (28)	150 (66)	\$225
420C-3/4	Cast Brass	300 (20.6)	400 (204)	400 (28)	150 (66)	\$168

INDOOR AIR QUALITY

HONEYWELL INCORPORATED

ELECTRONIC AIR CLEANERS

F300

**Features**

- Media post-filter provides enhanced filtration. • Solid state power supply is self-regulating and maintains peak efficiency during a wide range of cell dirt loading conditions. • New low-profile door with test button to check system operation. • Helps filter efficiency-robbing "gunk" before it coats critical system parts. • Exclusive wireless W8600A AIRWATCH indicator remind customers when to wash cells to keep the unit operating at peak efficiency, as well as when to change UV Lamps and Humidifier Pads (optional). • Exclusive 10-year Clean Coil Guarantee. • Rugged zinc-coated, roll-formed cabinet provides superior strength and corrosion protection.

Part No	Description	Application	Dimensions	Airflow	Voltage	Price
			(in)	Max-Capacity (cfm)		
F300A1620	High Efficiency Electronic Air Cleaner	Residential	16 in. x 20 in.	1200 cfm	120	\$945
F300A1625	High Efficiency Electronic Air Cleaner	Residential	16 in. x 25 in.	1400 cfm	120	\$980
F300A2020	High Efficiency Electronic Air Cleaner	Residential	20 in. x 20 in.	1400 cfm	120	\$980
F300A2025	High Efficiency Electronic Air Cleaner	Residential	20 in. x 25 in.	2000 cfm	120	\$1,105

ELECTRONIC AIR CLEANERS

F50F



- Comfortable grip handle for long term inspections • Convenient on/off light switch • Easily adjustable eyepiece • Available in 18", 24", 36", 48" 72" and 96" lengths plus thin versions (1/4 in. diam.) • Lengths up to 40 feet are available by custom order • Spring-lock shaft, really stays put • Superior optics • 25-hour battery life • Bright, white lighting (high/low beam) • LED light source never needs replacement

Part No	Description	Airflow Max-Capacity (m ³ /hr)	Frequency	Voltage	Efficiency Rating	Price
F50F1149	Electronic Air Cleaner, 16 x 20	1200 cfm (2040 m ³ /hr)	60 Hz, 0.4A max.	4075 Vdc.	120 Vac	\$960

MEDIA AIR CLEANERS

F100

**Features**

- High efficiency media filter captures particles as small as 0.3 microns. • Applicable to all gas, oil and electric forced air furnaces and to compressor cooling up to 5 tons. • Mounts in the return air duct. • Rugged zinc-coated, roll-formed cabinet resists corrosion and can support weight of residential furnace and evaporator coil. • Requires no electrical connections. • Mounts in any position. • Requires no maintenance except periodic media filter replacement. • Quick and easy media filter replacement. • Later upgrade to higher performing media or electronic air cleaner is easy.

Part No	Description	Application	Dimensions	Airflow	Price
			(in)	Max-Capacity (cfm)	
F100F1004	Media air cleaner	Residential	16 in. x 20 in.	1200 cfm	\$363
F100F1012	Media air cleaner	Residential	16 in. x 25 in.	1400 cfm	\$363
F100F1020	Media air cleaner	Residential	20 in. x 25 in.	1400 cfm	\$363
F100F1038	Media air cleaner	Residential	20 in. x 25 in.	2000 cfm	\$363

Get cleaner indoor air by choosing Honeywell's highest efficiency Whole-House Media Air Cleaner, the F200. When installed in your home's heating and cooling system, it traps and filters airborne particles and contaminants passing through the duct system to make sure that cleaner air is distributed to all rooms throughout your home. The F200 Media Air Cleaner is up to 92%* more efficient at removing airborne particles than a standard one-inch furnace filter, and maintains high airflow in your heating and cooling system so that it functions at full efficiency. Get the benefits of a whole-house solution for improving the air in your home with a Honeywell F200 Media Air Cleaner.

Part No	Description	Size	AirWatch™ Replacement Indicator	Efficiency Rating	Price
F200E1003	Honeywell F200 Media Air Cleaner	16x20	Yes	92%	\$495

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MEDIA AIR CLEANERS

F100



- Features**
- HEPA media captures at least 99.97% of 0.3 micron particles that pass through it.
 - Application for forced air systems or stand-alone.
 - Power cord plugs into grounded 120 Vac electrical outlet.
 - Requires no maintenance except periodic media filter replacement.
 - Quiet operation.
 - Quick and easy media filter replacement.
 - Wall-mounted AIRWATCH Indicator (included) provides filter change reminders for each of the three filters.
 - Easy installation.
 - Three-filter system:
 - Activated carbon filter for odors.
 - High-efficiency pleated pre-filter extends HEPA filter life.
 - HEPA filter traps at least 99.97% of 0.3 micron particles that pass through it.
 - Rugged steel cabinet.

Part No	Description	Application	Airflow Max-Capacity		Frequency	Price
			(cfm)	(m³/hr)		
F500A1000	Whole house HEPA Air Cleaner. F500A has standard cabinet for Mounting in conditioned spaces.	Bypass Stand Alone	400 cfm nominal	680 m3/hr nominal	60 Hz	\$1,515

REPLACEMENT FILTERS

FC100A



Part No	Description	Application	Dimensions		Static Pressure Drop (in wc)	Type or Air Cleaner	Price
			(in)	Fractional Efficiency			
FC100A1003	16X20 Media Air Filter	Replacement Filter	16 in. x 20 in.	E1=25%, E2=62%, E3=85%	0.23 at 500 FPM	Media Air Cleaner	\$53
FC100A1011	20X20 Media Air Filter	Replacement Filter	20 in. x 20 in.	E1=25%, E2=62%, E3=85%	0.23 at 500 FPM	Media Air Cleaner	\$53
FC100A1029	16X25 Media Air Filter	Replacement Filter	16 in. x 25 in.	E1=25%, E2=62%, E3=85%	0.23 at 500 FPM	Media Air Cleaner	\$53
FC100A1037	20X25 Media Air Filter	Replacement Filter	20 in. x 25 in.	E1=25%, E2=62%, E3=85%	0.23 at 500 FPM	Media Air Cleaner	\$53

EVAPORATIVE FLOW-THROUGH HUMIDIFIERS

HE220



- Features**
- Preamsembled for quicker installation.
 - Small footprint, light weight and reversible components allow for easy mounting on either warm air supply or cold air return of any forced air furnace.
 - Interior components designed for quick maintenance and service.
 - Includes easy-to-use humidistat which mounts on the wall or duct for more installation flexibility.
 - Perfect Climate Comfort Center™ control can be installed to replace both the thermostat and humidistat for improved aesthetics and convenience.
 - Standard tested per ARI Standard 610.

Part No	Description	Application	Dimensions		Frequency	Voltage	Color	Price
			(in)					
HE220B1009	By-pass Flow Through Humidifier with H1008 HumidiCalc™ Automatic Humidistat	Humidification	13 9/16 in. high x 12 in. wide x 9 1/8 in. deep		60 Hz	24 Vac	White	\$260

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MEDIA AIR CLEANERS

EVAPORATIVE FLOW-THROUGH HUMIDIFIERS

HE225



Features

- Humidifier pad is coated with Aglon antimicrobial agent.
- Preamsembled for quicker installation.
- Small footprint, light weight and reversible components allow for easy mounting on either warm air supply or cold air return of any forced air furnace.
- Interior components designed for quick maintenance and service.
- Option of automatic humidity control or standard humidistat.
- Standard tested per ARI Standard 610.

Part No	Description	Application	Dimensions		Frequency	Voltage	Color	Price
			(in)					
HE225A1006	By-pass Flow Through Humidifier with H8908B Humidistat	Humidification	13 9/16 in. high x 12 in. wide x 9 1/8 in. deep		60 Hz	24 Vac	White and Blue	\$323

HE260



Part No	Description	Application	Dimensions		Frequency	Voltage	Color	Price
			(in)					
HE260B1000	By-pass Flow Through Humidifier with H1008 HumidiCalc™ Automatic Humidistat	Humidification	16 3/4 in. high x 13 9/16 in. wide x 9 1/4 in. deep		60 Hz	24 Vac	White	\$318

HE265



Part No	Description	Application	Dimensions		Frequency	Voltage	Color	Price
			(in)					
HE265A1007	By-pass Flow Through Humidifier with H8908B Humidistat	Humidification	16 3/4 in. high x 13 9/16 in. wide x 9 1/4 in. deep		60 Hz	24 Vac	White and Blue	\$325

HUMIDIFIERS-BYPASS RESERVOIR

HE160 BYPASS DISK HUMIDIFIER



- Bypass Disk Humidifier uses the warm air furnace blower to provide whole house humidification.
- Lower maintenance than most popular drum models.
 - Small footprint and light weight allows for easy installation. Reversible components allow for quick installation on either air duct.
 - Minimal amount of water and electricity needed for operation.
 - Can be installed in a furnace room without a drain.
 - Interior components designed for easy clean up or replacement.
 - Includes easy-to-use humidistat which mounts on the wall or duct for more installation flexibility.
 - Perfect Climate Comfort Center. control can be installed to replace both the thermostat and humidistat for improved aesthetics and convenience.

Part No	Description	No in Pack	Efficiency Rating	Price
HE160A1003	By-Pass Disk Humidifier with H8908B Humidistat	1	24 Vac	\$373

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HUMIDIFIERS-BYPASS RESERVOIR

HE440A STEAM POWER HUMIDIFIER



- Humidifies the air without a call for heat from the thermostat so relative humidity fluctuates less, optimizing homeowner comfort.
- Two-stage water treatment system keeps reservoir clean; maintains operation and reduces maintenance.
- Low water cut-off switch, built-in overflow and thermal cut-off switch protection are integral safety features.
- Capable of humidifying a large area.
- Ideal for homes with extensive woodwork, hardwood floors, antiques, oil paintings, leather furniture, pianos, and fine collectibles.
- Compact size allows easy installation.
- Includes easy-to-use humidity control that mounts on the wall or duct for more installation flexibility.

Efficiency Rating: 120 Vac, 1.5 kW, 12.5A

Capacity: 12 gal. per day (46 L per day)

Part No	Description	No in Pack	Dimensions	Frequency	Plenum Opening		Price
			(in)		(width)	(height)	
HE440A1005	Steam power humidifier	1	6-3/4 in. high, 12-5/8 in. wide, 13-1/4 in. deep	60 Hz	11-1/2 in.; 290 mm	8-1/2 in.; 216 mm	\$910

POWER FLOW-THROUGH HUMIDIFIERS

HE365



Features

- Humidifier pad is coated with Aglon antimicrobial agent.
- Capable of humidifying the largest area, up to 4,200 sq ft (386 sq m), of any Honeywell flow-through humidifier.
- Interior components designed for quick maintenance and service.
- Option of automatic humidity control or standard humidistat.
- Standard tested per ARI Standard 610.

Part No	Description	Application	Dimensions	Frequency	Voltage	Color	Price
			(in)				
HE365A1006	Powered Flow Through Humidifier with H8908B Humidistat	Humidification	15 in. high x 14 in. wide x 10 1/4 in. deep	60 Hz	120 Vac	White and Blue	\$550

HUMIDIFIER PADS AND FILTERS



- For Honeywell HE220A, B series Humidifier
- Also fits the Aprilaire Model 550

Part No	Description	Fits Model	Price
HC22A1007	Std pad	HE220, HE225	\$13



Part No	Description	Fits Model	Price
HC22E1003	Evap Pad With Mirco Bacterial Treatment	HE220, HE225	\$30
HC26A1008	Std Pad	HE260,265,360,365	\$18
HC26E1004	Evap Pad With Mirco Bacterial Treatment Can Be Interchanged With Hc26a1008	HE260,265,360,365	\$33

INDOOR AIR QUALITY

HONEYWELL INCORPORATED

FRESH AIR VENTILATION CONTROL

**Features**

- Designed to help meet local ventilation codes and standards, including ASHRAE 62.2-2003 standard, Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings.
- Microcontroller optimizes the air delivery schedule to make efficient use of normal HVAC run times.
- Easy-to-use input dials allow customized ventilation for each installation.
- Test mode that includes immediate feedback to installer to confirm that air delivery requirements of selected ventilation standard are being met.
- Economical supply-only ventilation; works with forced air system.
- Can be used with other equipment, such as an HRV/ ERV, for balanced ventilation.

Part No	Description	Application	Airflow Capacity (external static pressure)	Price
W8150A1001	Includes W8150 Fresh Air	Fresh Air Ventilation System	50 to 160 cfm	\$170

HEAT RECOVERY VENTILATOR

HR200B

**Features**

- Includes heat transfer core, pre-filters, fan and blower assembly, and defrost.
- Provides ventilation that helps contractors meet ASHRAE 62-89.
- Automatic, economical, built-in defrost for operation to design temperatures of -40F.
- Electronic ventilation fan timer option.
- Low voltage, high-speed override.
- Variable fan speed control.
- Easy-to-clean cross-flow aluminum core assures years of trouble-free operation.
- Insulated cabinet.
- Rugged steel cabinet.
- Quiet operation.
- Permanent (washable) pre-filters.
- Integral balancing dampers.
- Includes vibration isolation hardware and duct collars.

Part No	Description	Application	Frequency	Temperature Recovery	Price
HR200B1005	Heat Recovery Ventilator	Heat Recovery Ventilator	60 Hz	0.8	\$2,258

H1008A



Part No	Description	Application	Voltage	Color	Differential	Temperature Range		Price
						(F)	(C)	
H1008A1008	Dew Point Control Of Humidification Equipment	Humidification	24 Vac	Taupe	± 2.5 F; ±1.4 C	45 F to 88 F	7 C to 31 C	\$148

H1008D



Part No	Description	Dimensions (in)	Voltage	Differential	Temperature Range (F)	Electrical Ratings Power Supply	Price
H1008D1002	Dew Point Control Of Humidification And Dehumidification Or Ventilation Equipment.	4 7/32 in. high x 5 1/4 in. wide x 1 31/32 in. deep	24 Vac	± 2.5 F; ±1.4 C	45 F to 88 F	18-30 Vac, 60 Hz.	\$223

H46C



Part No	Description	Application	Dimensions (in)	Voltage	Color	Temperature Range		Price
			(in)			(F)	(C)	
H46C1166	Wall Mounted Dehumidistat	Dehumidification	4 11/16 in. high x 2 15/16 in. wide x 2 1/8 in. deep	24 Vac; 120 Vac; 240 Vac	Premier White®	4% to 6% RH	10 C to 52 C	\$88

H49A



Part No	Description	Application	Dimension s (in)	Voltage	Color	Differential	Temperature Range		Price
			(in)				(F)	(C)	
H49A1019	Humidistat	Humidification	3 3/4 in. high x 2 3/8 in. wide x 2 1/2 in. deep	120 Vac; 240 Vac	Gray	4% to 6% RH	60 F to 125 F	16 C to 52 C	\$118

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H600A



- Features**
- Sensing element of thin, moisture sensitive nylon ribbon provides reliable operation even when ambient temperature conditions change.
 - Fully enclosed, dust free, SPDT, snap-acting switch.
 - Removable setting knob prevents tampering.
 - Mount vertically on 2 x 4 in. junction box (not to be duct mounted).
 - Includes alternate scale and faceplate for horizontal mounting.
- Voltage:** 24 Vac;120 Vac;240 Vac

Part No	Description	Dimensions	Color	Temperature Range		Price
		(in)		(F)	(C)	
H600A1014	Humidistat for Humidification or Dehumidification	6 3/16 in. high x 3 3/8 in. wide x 2 1/4 in. deep	Gray	50 F to 125 F	10 C to 52 C	\$283

H8908B



- Features**
- SPST, snap-acting, dust-proof switch.
 - Positive ON and OFF settings.
 - Twelve-inch ribbon of thin, moisture-sensitive nylon ribbon wound around three bobbins effectively gives optimum control for reliable operation under changing ambient conditions.
 - Mounts in duct or on wall surface.
- Color:** Premier White

Part No	Description	Application	Dimensions	Voltage	Temperature Range		Price
			(in)		(F)	(C)	
H8908B1002	Humidistat	Humidification	3 3/4 in. high x 3 1/4 in. wide x 2 in. deep	24 Vac	-20 F to +120 F	-29 C to +49 C	\$100

RETURN AIR TREATMENT



- Honeywell Dual-Lamp Return Air Treatment System: Kills up to 87% of airborne bacteria passing through the system.
- Tests show single-pass kill-rate of serratia marcescens bacteria in a clean metal 12"x25" duct at an airflow rate of 2000 cfm using new lamps.
- Honeywell Single-Lamp Return Air Treatment System: Kills up to 70% of airborne bacteria passing through the system.
- Test show single-pass kill-rate of serratia marcescens bacteria in a clean metal 12"x25" duct at an airflow rate of 2000 cfm using new lamps.

Part No	Description	Application	Voltage	Watts	Price
UV100A1000	UV Light single bulb	Return Air	120 Vac	18W	\$593
UV100A1018	UV Light dual bulb	Return Air	120 Vac	36W (each bulb)	\$890
UV100A1059	UV Light single bulb	Surface Treatment	120 Vac	36W	\$345
UV100A2008	UV Light single bulb	Surface Treatment	240 Vac	36W	\$443

UV PARTS AND ACCESSORIES



Part No	Description	Application	Electrical Rating (Watts)	Price
UC100A1005	Replacement SnapLamp for UV100A1000, brown handle	Replacement Lamp	18W	\$153
UC18W1004	Replacement Bulb for 18W SnapLamp Models	Single Lamp Return	18W	\$130
UC36W1006	Replacement Bulb for 36W SnapLamp Models	Replacement Bulb	36W	\$140

INDOOR AIR QUALITY

RESEARCH PRODUCTS

DEHUMIDIFIERS

MODEL 1700



Revolutionary whole-home dehumidification technology from Aprilaire.
The Aprilaire Model 1700 Whole-Home Dehumidifier removes just the right amount of moisture for ultimate comfort and peace of mind. And it works throughout your entire home, not just in one room like noisy, messy portable dehumidifiers. In addition, the Model 1700 lets you dehumidify a separate area of your home where there is more humidity buildup - like your basement or crawlspace - even when your heating/air-conditioning isn't running. Total comfort - the Model 1700 automatically senses moisture levels and maintains optimum humidity levels in your home,
Superior performance and reliability with considerably less maintenance
running only when needed.
• Better control of molds, mildews and dust mites - too much humidity creates an excellent breeding ground for hundreds of types of molds, mildews and other home invaders. The Model 1700 helps control these causes of family allergies and home structure deterioration.
• Higher capacity and efficiency - the Model 1700 has three times the moisture removing capacity and offers 50% more water removal per kilowatt hour than even the best portable dehumidifiers.
• Low maintenance - the Model 1700 automatically manages moisture based on your changing conditions. No need to constantly adjust settings or empty tanks.
• Automatic switching - the Model 1700 can switch between whole-home and localized (basement/crawl space) dehumidification automatically.
• Localized Control - with the Living Space Control, you can override the Model 1700 main control sensors, permitting you to manually monitor and control moisture levels in a specific location (e.g. master bedroom).
Improved ventilation - optional, built-in ventilation and fan cycling delivers fresh outside air when your home needs it most, improving indoor air quality.
Capacity Power: 90 pints per day @ 60% RH, 80°F (ANSI/AHAM DH-1-2003 conditions)
Power: 115 VAC, 9 Amps. Unit equipped with an 8 ft. grounded power cord.
Airflow: 275 CFM @ 0.6 in. w.c. external static pressure.

Part No	Description	Dimensions	Inlet Air Operating Conditions	Weight	Price
1700	Dehumidifier 90 Pint/Day 115v	20"W x 24"L x 21.75"H	40°F to 105°F	100 lbs	\$2,425

70 LIVING SPACE CONTROL



The Model 1700 Dehumidifier may be difficult to access in locations such as attics and crawlspaces, and you may wish to control the moisture level in a specific area, such as a living room or master bedroom. The Model 70 Living Space Control provides you with a convenient, accessible means of turning the Model 1700 Dehumidifier on and off and allows for adjustment of the dryness level set point. The Model 70 Control contains its own sensors that override the Model 1700 main control board sensors when connected and enabled. Therefore, the control should be located in an area where the homeowner wants to monitor and control moisture levels.
Mount Control...
• Approximately 5 feet off the floor (refer to local codes for compliance with the Americans with Disabilities Act).
• On an interior wall where the humidity is representative of the home being dehumidified.
• At least 18 inches away from an outside wall.
Do Not Mount Control...
• Behind doors, in corners or other dead air spaces.
• In direct sunlight, near lamps or other sources of heat.
• On an outside wall or any wall exposed to an unconditioned space (i.e. garage).
• In the airflow path of a supply register or near outside doors.
• On a wall where concealed pipes or ductwork will affect the control temperature and relative humidity accuracy.

Part No	Low Dew Point Control Level	High Dew Point Control Level	Temperature Sensor		Relative Humidity		Price
			Range	Conditions	Sensor Range	Storage Conditions	
70	40°F	65°F	40°F to 100°F	-30°F to 120°F	30% to 100%	0 to 100%	\$432

Aprilaire #70 Living Space Controller, for use with Aprilaire Model 1700 Dehumidifier.

RESEARCH PRODUCTS

DEHUMIDIFIERS

4522 BASEMENT KIT



Whole-home convertible to basement: The Aprilaire Model 1700 Dehumidifier can automatically switch between whole-home and localized dehumidification, allowing you installation flexibility in basement and crawl space applications. Automatic switching allows the system to provide dehumidification to the whole-home when the air-conditioning is on and then converts to a specific location (i.e., basement) when your customers turn off their air-conditioning. Available for both finished basements and unfinished basements.

- Kit contains (1) 6508 8" round normally closed damper, (1) 6608 8" round normally open damper and (1) 8027 plug- in transformer.
- Finished basement-requires one basement kit (Model 4522) which includes one normally closed 8-inch damper (Model 6508), one normally opened 8-inch damper (Model 6608) and a transformer (Model 8027).
- Unfinished basement-requires two basement kits (Model 4522)

Part No	Description	Price
4522	Basement Kit For 1700	\$728

ELECTRONIC AIR CLEANERS

MODEL 5000



Patented, breakthrough technology provides air cleaning performance never before possible. It's 94% efficient at removing disease-causing bacteria as small as 0.35 micron. It even traps virus-sized particles with unsurpassed efficiency of 80%. Over 99% efficient on pollen and spores. Provides allergy relief. Ask your doctor. Air Cleaner media lasts one to two years. Protects heating and cooling equipment. No monthly cleaning of collector plates. The best choice for the healthiest indoor air. Limited 2-year warranty.

- Patented, breakthrough technology provides air cleaning performance never before possible.
- No other whole-house air cleaner can reach more than 72%.
- Over 99% efficient on pollen and spores.
- Provides allergy relief. Ask your doctor.
- Protects heating and cooling equipment.
- No monthly cleaning of collector plates.
- The best choice for the healthiest indoor air.
- Limited 2-year warranty.
- Air Cleaner media lasts one to two years.

Part No	Description	Price
5000	Air Cleaner Electronic	\$1,170

THE APRILAIRE MODEL 2200/2400 WHOLE-HOME AIR CLEANER



Features

- Designed for allergy relief, removing up to 99% of pollen particles five microns in size and larger.
- Removal efficiency improves over time, increasing up to 99% efficient on particles over three microns in size.
- Permanently traps caught particles with no chance of reintroduction into the air stream, leaving your home cleaner.
- Delivers all the equipment protection your HVAC system requires.

Part No	Description	Price
2200	Air Cleaner W/Housing	\$328
2250	Air Cleaner W/Housing Grill MNT	\$678
2400	Air Cleaner W/Housing	\$318

AIR CLEANERS

HIGH EFFICIENCY FILTERING MEDIA



This is the high efficiency filtering media, which is the heart of your air cleaner. It will last from one to two years depending on the operation of your heating and/or air conditioning system.

Part No	Description	Price
201	Media For 2200	\$50
401	Media For 2400	\$50
501	Media For 5000	\$75

INDOOR AIR QUALITY

RESEARCH PRODUCTS

VENTILATION

ENERGY RECOVERY VENTILATOR

MODEL 8100



Essentially, the Aprilaire Energy Recovery Ventilator is an efficient, effective way to exchange stale inside air for fresh outside air. In winter months, the exclusive EnergyMax Transfer Core uses the heat of indoor air to warm up the incoming cold fresh air, recovering about 77% of the energy. In summer, warm fresh air passes near outgoing conditioned air, cooling it down. The beauty of the EnergyMax Transfer Core is its use of enthalpic technology. This technology enables the transfer of moisture as well as heat. The popularity of the enthalpic-type ventilator has increased all over the country because of its superior ability to control humidity levels in both winter and summer. The result is greater indoor comfort at the lowest possible cost. Noise is also reduced, since you can enjoy fresh air without leaving windows open. Plus, a fresher, safer home is a home with greater value. While the ideal time to install Aprilaire is during construction, the Energy Recovery Ventilator can be added to any existing heating/cooling system.

Benefits of an Aprilaire Energy Recovery Ventilator:

- Provides a constant, controlled supply of fresh air to your home year-round.
- Reduces excess moisture content.
- Reduces unhealthy indoor air pollutants, such as radon, formaldehyde, smoke, and odors.
- Reduces air conditioning load by pre-cooling and removing excess moisture from incoming fresh air during the summer.
- Handles up to a 3,600 sq. ft. home and conserves energy by effectively retaining the energy value from indoor air.
- Helps produce a quiet, safe, secure, and healthy indoor environment.

Part No	Description	Price
8100	Air Exchanger	\$2,248

HUMIDIFIERS

MODEL 360 SELF-CONTAINED HUMIDIFIERS



These two humidifiers are completely self-contained units designed especially for installation in homes with radiators or baseboard heat. Equally suited for other types of heat, they are sized to fit within closets, heated crawl spaces and basements. These humidifiers have an evaporative capacity of 0.50 gallons per hour and are able to handle a home of up to 4,500 square feet, if the home is tightly constructed.

SQ FT Area* A Unit Size (inches): 1,100 loose house (2), 2,250 average house (1), 4,500 tight house (1/2)

A Unit Size (inches): 13-3/4W x 12-3/4H x 12-1/2D** (Note: Model 350 is 15D)

Part No	Water Feed Rate	Electrical Data	Price
360	6 gph	120V-60Hz- 0.7 AMP (Note: Model 350 is 0.9 AMP)	\$710

MODEL 400 BYPASS HUMIDIFIER



The Aprilaire Model 400 bypass humidifier is the newest addition to the line. It uses new evaporative technology to minimize water use, eliminate standing water and provide comfortable humidified air throughout your home. Gravity pulls water down while the wicking action of the water panel draws it back to the top, using 100% of the water delivered to the unit. It's the perfect choice for homes with septic systems, locations where a floor drain is not available or families interested in water conservation. Plus, its computer technology and innovative design makes it effortless to operate and simple to maintain. The Model 400 bypass humidifier is a high-capacity, water-conserving humidifier (0.70 gallons evaporated per hour), well suited to handle up to a 4,000 square foot, tightly constructed home.

SQ FT Area* (air changes/hr): 1,000 loose house (2), 2,000 average house (1), 4,000 tight house (1/2)

Part No	Unit Size (inches)	Plenum Opening (inches)	Water Feed Rate	Electrical Data	Price
400	14W x 15-1/8H x 10-3/8D (6" dia. round opening)	9-3/4W x 12-1/2H	3 gph	24V-60Hz-0.5 AMP	\$405

MODEL 550 BYPASS HUMIDIFIER



The Model 550 bypass humidifier is our economy unit designed for smaller homes. This unit utilizes a manual humidifier control that can be installed in the living area or on the furnace ductwork. Along with all other models (except model 448) it is equipped with a drain to flush minerals from the system. The model 550 has an evaporative capacity of 0.50 gallons per hour and can handle up to 3,000 square feet if the home is tightly

SQ FT Area* (air changes/hr): 750 loose house (2), 1,500 average house (1), 3,000 tight house (1/2)

Part No	Unit Size (inches)	Plenum Opening (inches)	Water Feed Rate	Electrical Data	Price
550	12-7/8W x 12-3/4H x 9-1/8D (6" dia. round opening)	9-3/8W x 9-1/2H	3 GPH	24V-60Hz- 0.5 AMP	\$290

INDOOR AIR QUALITY

RESEARCH PRODUCTS

HUMIDIFIERS

MODEL 600 BYPASS HUMIDIFIER



The Aprilaire Automatic Humidifier Model 600 takes humidifier innovation to the next level and performs as good as it looks! It offers all of the performance benefits of our other technologically-advanced computer-equipped automatic humidifiers and it's easier than ever to have installed because it includes a built-in bypass damper, which means fewer parts to install. Plus, the damper is conveniently labeled for summer and winter settings, allowing you to set it for the entire season with no guesswork involved. Just set it and let your humidifier run automatically and it will deliver up to 50% more humidity, compared to other competitive units on the market. It also can be installed in manual mode if needed. The Model 600 has an evaporative capacity of 0.70 gallons per hour and is ideal for a home with up to 4,000 square feet if it's tightly constructed. We believe it's the best performing bypass humidifier on the market!

SQ FT Area* (air changes/hr): 1,000 loose house (2), 2,000 average house (1), 4,000 tight house (1/2)

Part No	Unit Size (inches)	Plenum Opening (inches)	Water Feed Rate	Electrical Data	Price
600	14W x 15-1/8H x 10-3/8D (6" dia. round opening)	9-3/4W x 12-1/2H	3 gph	24V-60Hz-0.5 AMP	\$333

MODEL 700 POWER HUMIDIFIER



The Model 700 power humidifier (formerly Model 768) features truly automatic control, so there's no need to ever manually control the humidifier. It is also designed with ease of service in mind. It utilizes an outdoor temperature sensor for monitoring even the slightest changes in outdoor temperature. This high-tech humidification system can deliver up to 50% more moisture in comparison to competitive units. With flexibility in mind, it can even be installed in manual mode if necessary. Complementing any HVAC system, the 700 has an evaporation capacity of 0.75 gallons per hour, among the highest capacity humidifiers sold. If you own a larger home and want the best, then this may be the humidifier for you, as it will handle up to 4,200 square feet if your home is tight in construction.

SQ FT Area* (air changes/hr): 1,050 loose house (2), 2,100 average house (1), 4,200 tight house (1/2)

Part No	Unit Size (inches)	Plenum Opening (inches)	Water Feed Rate	Electrical Data	Price
700	15-29/32W x 15-31/32H x 10-11/32D	14-7/8W x 14-3/16H	6 gph	120V-60Hz-0.8 AMP	\$520

50 CURRENT SENSING RELAY



Part No	Dimensions	Voltage Range	Sensing Current	Wire Lead Length	Case Color	Price
50	1" x 1-7/16" x 2-3/4"	21-24 VAC, 50-60 Hz	Minimum of 4.0 Amps	32"	Black	\$55

The Aprilaire #50 current sensing relay simplifies humidifier installation on furnaces without accessory terminals. Also works for Honeywell HE220, HE225, HE260, HE265, HE360 and HE365 humidifiers.

HUMIDIFIER PADS

WATER PANEL EVAPORATOR



Water Panel Evaporators are the heart of your humidifier and the component which generates the important humidity to keep you comfortable during the heating season. The water panel slides into the scale control insert and the water distribution tray sits on top of it to evenly deliver water to the water panel. For use with models: 110, 220, 550, 550A and 558

Part No	Description	Price
10	Water Panel Evaporator #10	\$15



Water Panel Evaporators are the heart of your humidifier and the component which generates the important humidity to keep you comfortable during the heating season. The water panel slides into the scale control insert and the water distribution tray sits on top of it to evenly deliver water to the water panel. For use with models: 112, 224, 440, 445, 445A & 448

Part No	Description	Price
12	Water Panel Evaporator #12	\$25

INDOOR AIR QUALITY

RESEARCH PRODUCTS

HUMIDIFIER PADS



Water Panel Evaporators are the heart of your humidifier and the component which generates the important humidity to keep you comfortable during the heating season. The water panel slides into the scale control insert and the water distribution tray sits on top of it to evenly deliver water to the water panel. For use with models: 350, 360, 560, 560A, 568, 600, 700, 760, 760A & 768

Part No	Description	Price
35	Water Panel Evaporator #35	\$20

PROGRAMMABLE THERMOSTATS

MODEL 8570



- Features a large, backlit display combined with intuitive menus
- Helps you control energy costs while maintaining total comfort using a 'set-back' strategy to minimize energy consumption when you are sleeping or away from home
- Makes sure your other indoor air quality equipment is running smoothly for the ultimate in performance and comfort
- Allows you to glimpse into the status of all your indoor air quality equipment to make sure everything is properly maintained, thereby improving efficiency and performance
- Exclusive thermostat used in Aprilaire Intelligent Zoned Comfort Control - the premium product for delivering just the right amount of cooled or heated air to every section of your home.

Part No	Description	Price
8570	T-Stat Multil-Application	\$313

ELECTRONIC THERMOSTATS

NON-PROGRAMMABLE HEAT PUMP

MODEL 8346



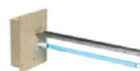
Product Features

- Large, easy to read, backlit display.
- Simple programming with 4 events for weekdays and selectable 2 or 4 events on the weekend.
- Pre-programmed with ENERGYSTAR, recommended settings.
- Set point and room temperature are displayed simultaneously.
- Freeze protection.
- Low battery indicator.
- High temperature protection
- Temporary and permanent (vacation) hold.
- Change Water Panel indicator.
- Change air filter indicator.
- Fahrenheit/Celsius selectable.
- Adjustable differential.
- Adjustable offset.

Part No	Description	Price
8346	T-Stat Digital Heat Pump 1S	\$110

UV GERMICIDAL LAMPS

MODEL 1910



The U.S. Government requires UV lamps above cooling coils to control microbial growth in government buildings. Now the average homeowner can apply the same safety measures in their own living spaces. Considering the well-reported dangers of mold and bacteria in the home, it just makes sense to attack these problems at the source. You can, with a dealer-installed Aprilaire UV Germicidal Lamp.

Health Magazine "... for innumerable molds, fungi and bacteria, home sweet home is a series of drain pans in the ventilation system. If they aren't kept clean, the biological agents can proliferate and then travel through the building on air currents."

ACHR News "Keeping coils sanitary - through cleaning and the application of chemicals and/or UV lights - is part of a system-wide approach, which can prevent spores from amplifying in the heating and air conditioning system."

Center for Disease Control "Common harmful molds can be found in air conditioning systems including Aspergillus, Penicillium, and Cladosporium."

Part No	Description	Price
1910	UV Germicidal Lamp Single Base	\$455

90 UV REPLACEMENT BULB

Original Factory Replacement UV Bulb for Aprilaire UV Germicidal Lamp Models 1910 (1 bulb) and 1930 (2 bulbs)



Part No	Description	Price
90	UV Replacement Lamp	\$255

INDOOR AIR QUALITY

SANUVOX

CEILING THE MOUNT ULTRAVIOLET AIR PURIFIERS



The MB500X Recessed Ceiling Mount UV Air Purifier is an innovative design for office, school and institutional facilities. The MB500X's space saving 24"x 24" self contained design, easily installs in the opening of a suspended ceiling. The MB500X uses the Sanuvox process to Slow the air over the UV Lamp, Intensify the UV Energy with an Aluminum Reflecting Housing, and Mix the purified air around the lamp. The MB500X will effectively destroy chemical and biological contaminants that effect the work place environment. Extremely quiet and the ability to purify an area of up to 500 square feet (per unit), makes this purifier the ideal solution for the problems associated with Sick Building Syndrome.

Part No	Weight	Power Requirements	Lamp Arc Length	Purifying Area	Airflow	Options	Price
MB500X	28 lbs.(13kg.)	120 V.26 Watts	10.5 in. (267mm)	500 sq. ft(4,000 cu.Ft.)	71 cfm	Remote Installation Kit	\$1,340

IN-DUCT ULTRAVIOLET AIR PURIFIER



Designed to be installed in the return or supply plenum, as the airflow passes through the C2000X's Aluminum Reflector Tube, The Sanuvox Process destroys the contaminants that would otherwise be distributed throughout the ventilation system. This High Efficiency purifier uses a split UV-C / UV-V (germicidal / oxidizing) lamp to destroy chemical & biological contaminants including chemical odors. Purifying area is 2000 cfm (5 tons) per C2000X. **Some of the contaminants destroyed are:** *Mold, bacteria, allergens, viruses and germs, chemicals, VOC's, formaldehyde, cigarette smoke, diesel fumes, cooking & pet odors, and thousands of other contaminants.*

Part No	Outside Dimensions	Weight	Power Requirements	Purifying Capacity	UV Lamp Length	Price
C2000X	18" high x 7" wide	15 lbs	120 V.45 Watts	2000 cfm (5 tons)	20" high x 9" wide	\$1,323

RESIDENTIAL/LIGHT COMMERCIAL IN DUCT UV PURIFIER

ULTRAVIOLET AIR PURIFIERS



Designed to be installed in the return or supply plenum, as the airflow passes through the R3500X's Aluminum Reflective Tube, The Sanuvox Process destroys the contaminants that would otherwise be distributed throughout the ventilation system. This High Efficiency purifier uses a proprietary split UV-C / UV-V (germicidal / oxidizing) Lamp to destroy chemical & biological contaminants including chemical odors. 3 year warranty including UV Lamp & all replacement Lamps. Purifying area is 3500 square feet. **Some of the contaminants the R3500X destroys:** *Mold, bacteria, allergens, viruses and germs, chemicals, VOC's, formaldehyde, cigarette smoke, diesel fumes, cooking & pet odors, and thousands of other contaminants.*

Part No	Coverage	Outside Dimensions	Weight	Power Requirements	Lamp Arc Length	Price
R3500X	up to 3500 sq. feet	12" high x 8" wide (305 x 203 mm)	12 lbs (5.5 Kg)	120V. 25 Watts	17.7 in. (450 mm)	\$920

INDOOR AIR QUALITY**SANUVOX****SANUVOX UV AIR PURIFIERS****R1500 X RESIDENTIAL IN-DUCT PURIFIERS**

Part No	Description	Price
REMKIT	Remote Installation Kit for R3500X	\$75

REPLACEMENT UV LAMPS

Part No	Stock No	Description	Price
SAN-T6-005	756038	Repl.UV Lamp for R3500X	\$280

ULTRAVIOLET AIR PURIFIERS**COILCLEAN B30X UV AIR PURIFIER / COILCLEANER**

The Sanuvax B30X UV Air Purifier / CoilCleaner is designed for easy after market installation on Bard Wall Mount HVAC Units. The B30X UV Air Purifier / CoilCleaner uses UV-C and UV-V Energy to destroy bio-chemical contaminants such as mold, mildew, fungus spores, formaldehyde, solvents and secondhand smoke. The B30X will also irradiate viruses and bacteria such as legionella, tuberculosis and meningitis to name a few. The patented Parabolic Reflector / Shield uses the full 360 degrees of UV Light to eradicate contaminants in the air and on the coil while protecting plastics and people from the UV exposure.

- Disconnect power and remove the 3 Rear Panels.
- Line up purifier so that the attachment holes on the purifier frame line up with the holes on the rail of the Bard.
- Use sheet metal screws to attach the purifier to the Bard unit at the attachment holes and to hold the center brace.
- Route the cable into the electrical box on the side of the Bard Unit.
- Wrap the foam insulation above the rail with aluminum foil to protect the foam.

Part No	Description	UV Lamp Type	Price
B30X	Parabolic Reflector - Shield	30" Hi-Intensity 19mm. Quartz Glass	\$1,835

IN-DUCT UV AIR PURIFIER**R4000GX**

Designed to be installed in the return or supply plenum, as the airflow passes through the Aluminum Reflective Tube, the Sanuvax Process destroys the contaminants that would otherwise been distributed throughout the ventilation system. Larger High Intensity UV-C/UV-V Quartz Lamp Hardwired to HVAC system Induct installation for whole home purification Most effective UV Air Purification System available Ultra bright LED "Smart Lamp System" Visual Display 3 year warranty on parts including UV lamp CSA C/US Certified & CE Approved.

Part No	Weight	Chemical Destruction	Height x Width x Depth	Power	Watts-Amperage	UV Lamp Length	Price
R4000GX	12 lbs	Yes	13.5" x 8" x 12"	110 / 220 V	37 watts/650 ma	10.5"	\$998

SKUTTLE MANUFACTURING**HIGH-CAPACITY STEAM HUMIDIFIER****MODEL 60-2**

A good choice for heat pumps and high-efficiency heating systems in homes to 32,360 cubic feet.

- Thermal fan interlock control allows unit to humidify air without furnace heat
- One-piece service drain petcock makes cleaning easy
- Uses minimal water
- Corrosion-resistant, low water, safety cutoff switch and built-in overflow protection provide peace of mind
- Compact size makes unit ideal where space is at a premium
- Output capacity of 17.0 gallons per day

Part No	Lbs Per Hour	Gallons Per			Duct Opening	Voltage	Price
		Hour (GPH)	Day (GPD)				
60-1	5.9	0.71	17.0		10-1/2" x 8"	115V	\$78
60-2	5.9	0.71	17.0		10-1/2" x 8"	230V	\$200

INDOOR AIR QUALITY

SKUTTLE MANUFACTURING

INDOOR AIR ACCESSORIES

AUTOMATIC FLUSHING TIMER



Flushes reservoir and drum-type humidifiers twice a day.

Features

- Provides flow-thru technology for reservoir and drum humidifiers
- Quick and easy to install... usually less than 20 minutes
- Uses minimal electricity; reduces water usage by 80 percent when compared to conventional flow-thru units
- Automatically flushes the humidifier water pan with fresh, clean water every 12 hours
- Reduces or eliminates servicing during the humidification season
- Adaptable to any make or model of reservoir or drum- type humidifiers

Part No	Description	Price
OOS-HAFT-000	Auto Flush Timer	\$168

UNDER DUCT DRUM-TYPE HUMIDIFIER

MODEL 86UD



Ideal for Heat Pumps and High-Efficiency Heating Systems

Features:

A good choice for heat pumps and high-efficiency heating systems in homes to 32,400 cubic feet.

- Easy to maintain-unique mounting frame allows easy removal from duct for cleaning or servicing
- Uses minimal water and electricity
- Durable, corrosion-resistant thermoplastic cabinet
- Mountable on horizontal ducts 12" or wider
- Output capacity of 17.0 gallons per day at 120 degrees Fahrenheit

Gallons Per							
Part No	Lbs Per Hour	Hour (GPH)	Day (GPD)	Duct Opening	Minimum Duct Width	Drum Motor	Price
86UD	5.90	0.71	17.0	12 X 16" wide	12"	24 VAC, 3 watt, 1 RPM, bidirectional	\$343

THERMA-STOR

SANTA FE RX ULTRA EFFICIENT DEHUMIDIFIER



Free-standing dehumidifier that is specifically designed for quieter operation yet with high humidity control and a finished attractive appearance.

- The Santa Fe Rx has a built-in defrost system that is designed for operation down to 55°F.
- The unit contains a blower switch that permits continuous blower operation for filtration, independent of dehumidification.
- The Santa Fe Rx is portable and provided with four casters.
- The unit contains a condensate pump and 20 feet of drain hose.
- The wiring of the unit is through a factory installed six foot power cord; 115 volt with ground.

Part No	Amps	Energy Factor	Capacity	Width	Height	Depth	Weight	Price
4023673	6.3	2.5	86 Pints/Day (80°F, 60% RH)	23"	37-1/2"	20"	130 lbs	\$3,418

SANTA FE ULTRA EFFICIENT DEHUMIDIFIER



The Santa Fe is controlled by a dehumidistat with positive "ON" and "OFF" settings and a variable setting range from "20%" to "80%".

- The Santa Fe has a built-in defrost system that is designed for operation down to 55°F.
- The unit contains a blower switch that permits continuous blower operation independent of dehumidification.
- The Santa Fe is portable and provided with four casters.
- The unit contains a six foot vinyl, gravity drain hose.
- The wiring of the unit is through a factory installed six foot power cord; 115 volt with ground.

Part No	Amps	Energy Factor	Capacity	Width	Height	Depth	Weight	Price
4021400	6.8	2.75	100 Pints/Day (80°F, 60% RH)	20"	36"	17"	110 lbs	\$2,568

OPTIONAL ACCESSORIES

Part No	Description	Price
4020623	8" Supply collar	\$30
4021453	Santa Fe Duct Kit: 8" and 6" return and 8" supply co	\$183

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INDOOR AIR QUALITY

Call or visit one of our 4 locations.

THERMA-STOR

ULTRA-AIRE 135H AIR PURIFYING DEHUMIDIFIER



- Humidity/Fan Control Panel WITHOUT Fresh Air Ventilation or Damper
- Humidity/Fan Control Panel WITH Fresh Air Ventilation and WITHOUT Damper
- Humidity/Fan Control Panel WITH Fresh Air Ventilation AND Damper

Part No	Description	Price
4024155	Control Panel Assembly, Humidity/Fan	\$200

ULTRA-AIRE UA-100V WHOLE HOUSE VENTILATING DEHUMIDIFIER



- Features:**
The Ultra-Aire UA-100V dehumidifier performs multiple indoor air quality functions in an easy-to-install, vertically-configured enclosure:
- High-Capacity Dehumidification • Fresh Air Ventilation• Air Filtration

Part No	Amps	Width	Height	Depth	Weight	Price
4022200	6.8	21" without collars 24" with collars	42" without collars 48" with collars	17"	119 lbs	\$3,288

ULTRA-AIRE UA-150H WHOLE HOUSE VENTILATING DEHUMIDIFIER



- Features:**
The Ultra-Aire UA-150H dehumidifier performs multiple indoor air quality functions in a single unit:
- High-Capacity Dehumidification
 - Fresh Air Ventilation
 - Air Filtration

Part No	Amps	Width	Height	Depth	Weight	Price
4024371	12	45 3/4" Without Collars 52 1/4" With Collars	20 1/2"	24 3/4"	145 lbs	\$4,303

ULTRAVATION INC

ULTRAVATION PROGRESSIVE MEDIA AIR CLEANERS

STRAIGHT-THROUGH DESIGN



Ultravation® whole house filters utilize a unique progressive media design that excels at removing contaminants from the air. They come in two configurations to fit your heating and/or central air conditioning system. Ultravation® filters provide healthier indoor air, and they help reduce HVAC system energy consumption and maintenance costs.

- Rugged construction-10 year cabinet warranty. • Easy filter changes • Right angle models install with less duct metal • Right angle cabinet simplifies installation,creating a space saving “clean” install. • Painted

Cabinet						
Part No	Finish	Dimensions	Size	Filter size	Duct Opening D x E	Price
90-006-P04	Grey, Powder Coat	16 3/4" x 25 1/4" x 7 3/8"	16" x 25" x 5"	16" x 25" x 5"	23 1/4" x 14 3/8"	\$183
90-007-P04	Grey, Powder Coat	20 3/4" x 25 1/4" x 7 3/8"	20" x 25" x 5"	20" x 25" x 5"	23 1/4" x 18 3/8"	\$183

INDOOR AIR QUALITY

INDOOR AIR QUALITY

ULTRAVATION INC

ULTRAVATION PROGRESSIVE MEDIA AIR CLEANERS

RIGHT ANGLE DESIGN



Ultravation® whole house filters utilize a unique progressive media design that excels at removing contaminants from the air. They come in two configurations to fit your heating and/or central air conditioning system. Ultravation® filters provide healthier indoor air, and they help reduce HVAC system energy consumption and maintenance costs. The versatile right angle design cabinet with adjustable inlet saves space and simplifies installation. The cabinet opens on either end to fit any installation configuration.

Cabinet						
Part No	Finish	Dimensions	Size	Rated Velocity FPM	Filter size	Price
90-026-P04	Grey, Powder Coat	23 9/16" x 25 5/8" x 15 1/2"	20" x 25" x 5"	300	20" x 25" x 5"	\$283

UNDER FURNACE AIR FILTRATION



Ultravation® whole house filters utilize a unique progressive media design that excels at removing contaminants from the air. They come in two configurations to fit your heating and/or central air conditioning system. Ultravation® filters provide healthier indoor air, and they help reduce HVAC system energy consumption and maintenance costs. The rugged and versatile cabinet design (weight capacity over 200 lbs.) with variable inlet and outlet size saves space and simplifies installation. Filter cabinet door can be positioned on either side to fit any installation configuration.

Cabinet						
Part No	Finish	Dimensions	Size	Rated Velocity FPM	Media Square Feet	Price
90-010-P04	Grey Powder Coat	40" x 28 3/4" x 14 5/8"	20" x 25" x 5"	300	32.0	\$550

ULTRAVATION MERV 11 PROGRESSIVE MEDIA AIR FILTERS

WITH ULTRAstrand™ SHAPED FIBER TECHNOLOGY



Feature
• MERV 11 performance • Low pressure drop • Progressive particulate capture for long life • 100% Synthetic Fibers • Stable Media Charge • High Initial Efficiency • Thermally Bonded • Fibers resist shedding • Media does not absorb moisture • Continuous fibers • No chemical binders

Part No	Size	Rated Velocity FPM	Initial Resistance in WG	Use in model	Price
91-005	16" x 25" x 5"	300	.16	90-006	\$48
91-006	20" x 25" x 5"	300	.16	90-007, 90-008	\$48
91-007	16" x 25" x 3"	300	.16	90-005	\$48

ULTRAMAX WHOLE HOUSE

UV AIR TREATMENT SYSTEM



UltraMAX™ is a totally integrated UV system: each component-power supply, microprocessor and lamp system is specifically designed as a complete system. And UltraMAX™ is built on a single, double layer circuit board. It's WIRELESS!

Part No	Replacement	Price
UMX2036	Ultravation T3 UV lamps & Philips Compact-Twin UV lamps	\$828

INDOOR AIR QUALITY

ULTRAVATION INC

ULTRAVATION WHOLE HOUSE HEPA AIR CLEANERS

WITH ULTRAVATION MERV 11 PROGRESSIVE MEDIA PRE-FILTER



- HEPA is the most widely recommended air filtration system by physicians and allergists • Includes pre-filtration that can extend HEPA filter life up to five years • Ultravation Progressive MERV 11 pre-filter lasts up to six months • Silent reverse impeller blower • Optional 2" carbon post filter reduces odors • Side or back air outlet • Easy to replace filter elements • 10 year warranty (except filters) **Filter Elements**
- **Pre-Filter:** Ultravation® Progressive MERV 11 pre-filter with UltraStrand™ continuous, shaped fibers. Maximizes HEPA filter life.
- **Hepa Filter:** Ultravation® Certified HEPA filter media pack with microfiber media
- **Post Filter:** Optional carbon post-filter available to reduce odors

Part No	Cabinet Size	Air Flow CFM	Inlet fitting	Outlet fitting	cord	Power supply	consumption	Price
93-001	29" x 17" x 15 5/8"	350	8"	6"	6ft	110-115VAC	65 watts	\$1,478
93-002	37 1/2" x 19 1/2" x 19"	550	12"	8"	6ft	110-115VAC	200 watts	\$2,100

REPLACEMENT FILTERS

Part No	For Model	Type	Price
91-010	93-002	HEPA	\$53
91-013	93-001	Carbon Post filter	\$50

ULTRAVIOLET AIR DISINFECTION SYSTEM

UMX SERIES



Part No	Power Consumption	Number Of Lamps	Lamp Length	Microwatts/cm2 6inch from lamp	Use in Areas Up To (sq ft)	Dimensions	Shipping Weight	Price
UMX1036	18 watts	1	16"	1500	1000	L:11" W:6" H:2-1/4"	4 LBS	\$670

LP-PP-0002 ULTRAVATION

REPLACEMENT LAMP FOR MODEL UVE2036



Part No	Description	Price
LP-PP-0002	Repl 16IN Lamp F/UVS/UVE 1000 2000	\$95

LP-PP-0052 ULTRAVATION

REPLACEMENT TYPE UV-A VOC REACTOR LAMP



We carry the highest quality replacement MERV 11 air filters and UV lamps for Ultravation's Photonic Multistage Indoor Air Treatment System.

Part no	Description	Price
LP-PP-0052	Repl Voc Reactor Lamp F/Photonic	\$113

COMPACT-TWIN REPLACEMENT UV LAMP



Part No	Description	Price
UMX16URL	REPL 16IN. LAMP F/UMX1036 UMX2036	\$113

Note: If you have the UMX2036 system you will need to purchase two lamp packs to change all your UV lamps.

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INDOOR AIR QUALITY

Call or visit one of our 4 locations.

ULTRAVATION INC

HUMIDIFIERS/AIR CLEANERS

COMPACT-TWIN UV LAMPS



Part No	Mfg #	Description	Price
UVSSMOH0011	SMOH0011	16" VOC Option	\$163

INDOOR AIR QUALITY

INSTALLATION ACCESSORIES

CONDENSATE PUMPS

BECKETT

LARGE CONDENSATE



These large condensate pump models are ideally suited for higher volume standard condensate removal applications. Each operates quietly and efficiently and offers such features as a built in safety switch, a one gallon high temperature tank with a rating up to 190° F, a replaceable 3/8" O.D. check valve and a flame retardant motor cover (CB22 only). Both series pumps are available in 115V, 60Hz or 230V, 60Hz rated models. All pumps are UL / ULC listed. Vinyl tubing is available for all models

Tank Capacity : 1.0 US Gal, 3.785 Liter

Part No	Outlet	Volts	Amps	Watts	Lift	Safety Switch	Check Valve	Shut Off (ft)	Weight Lbs Ea	Price
CB-251-ULHT	3/8" O.D.	115	1.3	360	23ft	Yes	Yes	20'	8.6	\$393

LOW PROFILE CONDENSATE



This High Efficiency furnace model is compact and has a Low Profile so that it can be used in applications where space is limited, such as Counter Flow furnaces. This unit is capable of handling high acidity condensation. The shut off height for the CL20 is 20 ft. This model includes a built in safety switch, 3.8" O.D. check valve, stainless steel shaft, 6 ft. power cord with a 3 prong plug, high impact polystyrene tank and a flame retardant plastic cover. Mounting slots are provided on each end of the tank cover. It is also available in 208/230V, 60 Hz. This High Efficiency furnace model is compact and has a Low Profile so that it can be used in applications where space is limited, such as Counter Flow furnaces. This unit is capable of handling high acidity condensation. The shut off height for the CL20 is 20 ft. This model includes a built in safety switch, 3.8" O.D. check valve, stainless steel shaft, 6 ft. power cord with a 3 prong plug, high impact polystyrene tank and a flame retardant plastic cover. Mounting slots are provided on each end of the tank cover. It is also available in 208/230V, 60 Hz.

Tank Capacity : 0.85 US Quart

Part No	Outlet	Volts	Amps	Watts	Lift	Safety Switch	Check Valve	6 Ft Cord w/plug	Shut Off (ft)	Weight Lbs Ea	Price
CL-201-UL	3/8" Barb	115	1.95	90	20ft	Yes	Yes	Yes	20'	4.3	\$143
CL-202-UL	3/8" Barb	230	1.02	90	20ft	Yes	Yes	Yes	20'	4.3	\$155

MEDIUM CONDENSATE



Beckett's new family of medium condensate pumps are designed to meet or exceed your toughest job demands. This new generation of pumps is engineered to be user friendly with features like a more reliable micro switch float mechanism and the ability to mount the pump from either side. Check out the larger replaceable Duck-Bill check valve design and convenient discharge with both barb and threads. A new modern design that meets the highest quality standards that you have come to expect from Beckett.

Tank Capacity : 2.0 Qt, 1.9 Liter

Part No	Outlet	Volts	Amps	Watts	Lift	Safety Switch	Check Valve	6 Ft Cord w/plug	Hi-Eff Gas Furn	Weight Lbs Ea	Price
CB151UL	3/8" O.D.	115	1.7	60	15ft	Yes	Yes	Yes	Yes	3.9	\$83
CB201UL	3/8" O.D.	115	2.2	85	20ft	Yes	Yes	Yes	Yes	4.4	\$88
CB202UL	3/8" O.D.	230	1.2	77	20ft	Yes	Yes	Yes	Yes	4.4	\$98

BECKETT

ACCESSORIES

Part No	Description	Price
CU3	Beckett 1/4Mpt-3/8Barb Check Valve (Out)	\$8
RP1520	Check valve for CB151	\$30

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

INSTALLATION ACCESSORIES

CONDENSATE PUMPS

LITTLE GIANT



- Vertical type pump unit • 1/2 gallon leakproof, rustproof, ABS tank with mounting tabs • Stainless steel motor shaft • 3 drain holes • 3/8" O.D. barbed discharge adapter • Built-in check valve • Optional Safety Switch • 20' shut-off head • 6' power cord • UL/CSA listed • Thermal overload protected • Suitable for High-Efficiency, gas furnace condensate • Construction • Motor - 1/30 HP • Intermittent Liquid Temp. up to - 120° F • Discharge - 3/8" OD barbed • Housing - ABS • Cover - ABS • Volute - ABS • Impeller - Glass filled polypropylene

Part No	Discharge Size	Volts	Hertz	Amps	Watts	Performan	Shut Off					
						ce GPH	Head-1	Feet	PSI	Pwr	Weight	Price
							inch			Cord--(ft)	(Lbs)	
VCMA-20ULS	3/8" OD Barbed	115	60	1.5	93	80		20	8.7	6	5	\$93
VCMA-20ULS	3/8" OD Barbed	230	50/60	0.5	75	80		17	7.4	6	5	\$123

CONDENSATE PUMPS

MICROPUMP

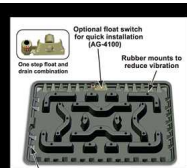


- Contains its own sump • Nominal 5-1/2" x 1-9/16" x 1-3/16" size • For air conditioners up to 60,000 Btu/hr • Will lift water up to 10 feet & move 2 gallons/hr • Built-in filter protects pump from debris • Built in non-return valves prevent water run-back

Part No	Description	Application	Price
EC400-115	115v pump w/built-in fltr	ductless split systems	\$232
EC400-230	230v pump w/built-in fltr	ductless split systems	\$188

AQUAGARD

GOLIATH DRAIN PANS



Aquagard's Goliath Secondary Drain Pans are the best and most durable in the industry. Made of the innovative hybrid material DexElar, they are 2-1/2 times stronger than standard ABS plastic. These drain pans include vibration isolators and built-in structural support for an air handler or furnace. Reinforced gusseted wall adds support and resists buckling. Extreme temperature resistant (-40F to 260F). Fire and crack resistant. Available with (AGG) or without (CAGG) the AG-4200 water sensor.

Part No	Bottom Dimension		Price
	Size	Desc	
AG-4200		Water sensor	\$17
AGG-2764	27" x 64"	Drain pan w/water sensor	\$148
AGG-3050	30" x 50"	Drain pan w/water sensor	\$122
AGG-3060	30" x 60"	Drain pan w/water sensor	\$148
CAGG-2764	27" x 64"	Drain pan	\$128
CAGG-3050	30" x 50"	Drain pan	\$104
CAGG-3060	30" x 60"	Drain pan	\$128

FLOAT SWITCH



The AG-1200 can be mounted very easily and without drilling a hole in the pan. The innovative two-piece housing 3 screw design allows the AG-1200 to be mounted on a plastic pan (with a lip) or metal pan (no lip).

Part No	Bottom Dimension		Price
	Desc		
AG-1200	Float switch		\$22

INSTALLATION ACCESSORIES

CONDENSATE PRODUCTS

CONDENSATE PANS



• Rolled edges for durability • Ribbed bottoms for rigidity • Reinforced corners for strength • 3/4" PVC fittings attached to each pan • No seams-no rust-no leakage • Available in over 20 convenient sizes • Five pans per master carton • Complies with Southern Building Code • ABS Materials • Does not put out toxic smoke

Part No	Bottom Dimension	
	Size	Price
DP2748L	27" x 48"	\$55
DP2763L	27" x 63"	\$68
DP3030L	30" x 30"	\$38
DP3060L	30" x 60"	\$68

WATER HEATER DRAIN PANS



Complies with the Southern Building Code Congress International 1980 Revision 2/19/79 Addition 1213.7, Pg. 5.

Part No	Bottom Dimension In	Overall Dimension In	Depth In	Price
DP-22R	22"	24"	2-1/2"	\$25
DP-24R	24"	26"	2-1/2"	\$25

CONDENSATE DRAIN PAN FITTINGS



Part No	Description	Standard Pack	Price
DP-FITTINGS	3/4" Slip	50	\$3

CONDENSATE PRODUCTS

IN-PAN FLOAT SWITCH



Designed to shut down a condensate producing device in the event of a high water condition in a drain pan or reservoir. Can be installed using normally opened or normally closed. Rated for line or low voltage, up to 3.3 amps.

Part No	Description	Price
46347400	Secondary Safety Switch For Drain Pans	\$15

CONDENSATE PRODUCTS

WET SWITCH FLOOD DETECTOR



A solid state control designed to help prevent flooding, damage to carpets, walls, furniture, ceilings, etc. Now has a built-in test and reset button for easier installation. Turns system off when detecting moisture due to condensate or drain leaks. One or two drops will cause Wet Switch to turn off a unit, alerting a serviceman to a moisture problem. A lit LED indicates the Wet Switch is activated and has turned the unit off. Re-set simply by drying the absorbent pad with a paper towel and pressing the reset switch. Connects to 24 VAC. More than one unit may be connected to a system. 2 amp contact rating. Simple 3 wire installation. U.S. Patent No. 4,787,212.

Part No	Description	Standard Pack	Price
WS-1	Wet Switch Flood Detector	1	\$95

CONDENSATE PRODUCTS

EZ TRAP

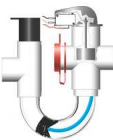
ECONOMY CROSS TRAP KIT



Kit includes: 3/4"Trap, Inlet Cross & Outlet Tee with Closure Caps. Cleaning Brush sold separately. Economy Trap only available in 3/4".

Part No	Description	Price
EZT-113	Condensate Traps	\$15

FLOAT SWITCH



Patented see-through technology and EZ-access design permit complete inspection and cleaning without ever disassembling trap or opening unit. Available in 3/4"and 1"diameter, with Integral Float Switch

- Available in kit form or bulk packed
- Available in standard trap configuration or customized to suit your specific needs

Part No	Description	Price
EZT-210	The Smart Trap with Integral Float Switch	\$58

EZ TRAP

INLINE FLOAT SWITCH 3/4 AND 1 SLIP



For Primary & Auxiliary Condensate Drain Pans. Install Vertical or Horizontal, Inline or Plugged.

Feature:

- Enclosed float can't be obstructed. • No Styrofoam floats. • Fits outside AC unit. No access required. • Handles 4 amps/24 volts AC. • NO/NC contacts permit connection to audible or visual alarm. • 48, 3-core color coded, plenum rated wire • Includes warning labels for condenser & air handler.

Part No	Description	Price
EZT-225	Includes 3/4" Drain Adaptor & 3/4" Plug.	\$38

EZ TRAP

BRUSH



Part No	Description	Price
EZT-406	Flexible Cleaning Brush, 18" Long.	\$5

CONDENSATE PRODUCTS

CLEAR VINYL TUBING



Part No	Description	Standard Pack	Price
7-12	1/2" ID	100	\$53
7-14	1/4" ID	100	\$25
7-34	3/4" ID	100	\$75
7-38	3/8" ID	100	\$28
7-58	5/8" ID	100	\$53

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

CONDENSATE PRODUCTS

GALLO GUN AND SWOOSH CO2 CARTRIDGES



Clears condensate drains with a SWOOSH! A lightweight (3 oz.) portable tool designed to blow out drain lines instantly. New larger SWOOSH CO2 cartridges now deliver 1200 PSI of oil free food grade to clear the line. Each unit comes equipped with a tapered fitting to work on 3/8" - 3/4" drain openings. Flexible hose assembly maneuvers through cabinets, coils and hard to reach drains. Cartridges are environmentally safe and recyclable. No need for air or nitrogen tanks. Reduces labor costs and time on Service Calls.

Part No	Description	Standard Pack	Price
GG-1	Gallo Gun for A/C Condensate Lines	1	\$90
GG-CUP	Replacement CO2 Cup Gallo Gun	1	\$1
GGC-12	Swoosh CO2 Cartridges (12/Pack)	1 pack (12 cartridges)	\$53

EQUIPMENT STANDS & BASES

SCREW-UPS



Easy leveling of units during and after installation. Simple to install. Elevates heat pumps and air handling units. Made of corrosion resistant plastic. Adjustable height: 6" to 7-1/4".

Part No	Description	Std Qty	U M	Price
4007	6" - 7-1/4" Concrete Gray Screw-Up	4	bx	\$3

EQUIPMENT STANDS & BASES

PUMP-UPS



Sturdy and stable, DiversiTech's Heat Pump Riser provides the desired elevation for heat pumps and air handlers. The one-piece, heavy-duty plastic unit is manufactured in three heights. Butyl mastic on the top and bottom guarantees no slipping and reduced vibration and noise. 2 piece risers are also now available.

Part No	Description	Standard Pack	Price
HPR-12	1pc Riser 12"	36	\$14
HPR-6	1pc Riser 6"	36	\$8
HPR-6-2P	2pc Riser 6"	36	\$10
HPR-EXT	4" Extension	16	\$5

AIR HANDLER BLOCK



Lightweight styrofoam block (concrete gray) provides A/C air handler support in attic installations.

Part No	Description	Standard Pack	Price
7-60	Air Handler 8" x 8" x 4"	1	\$5

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

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INSTALLATION ACCESSORIES

EQUIPMENT STANDS & BASES

EQUIPMENT STANDS & BASES

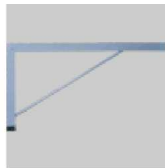
FURNACE MOUNTING BLOCK



- Easy peel & stick installation • Each block can support 300 lbs • Holds furnace off floor to prevent moisture & rust of furnace
- Absorbs vibration and noise • Durable plastic construction • 4 mounting blocks weigh about 1.5 lbs • Patent pending

Part No	Description	Std Qty	U M	Price
FMB-1	NSA Furnace Mounting Blocs	72	EA	\$5

AIR-CONDITIONER BRACKETS



- For hanging A/C condensers & heat pumps • 1/8" thick steel • Condenser units stay level • Coils stay cleaner • Can be mounted at any height • Easy maintenance under units • Less chance for coil fin damage • Pre-punched holes allow units to be fastened to brackets • Loads restricted by bolt strength or wall load limitation • No waiting for finished grade to complete installation • Boxed in corrugated cardboard with convenient carry handle

Part No	Description	Std Qty	U M	Price
19880	36" A/C Bracket (Boxed Pair) - Powder Coated	1	PR	\$93
19881	42" A/C Bracket (Boxed Pair) - Powder Coated	1	PR	\$103

DISCONNECTS

60 AMP NON-FUSED



Part No	Description	Price
ACM222NF	60A Non-Fused A/C Disconnect Switch For 208/230 Volts	\$20

DISCONNECTS

60 AMP NON-FUSED 3 PHASE



- UL listed, File E5239. Meets UL98 for enclosed switches and NEMA Std. KS-1. Suitable as service entrance equipment when applied with neutral or ground lug kit. Rainproof type 3R enclosure.

Part No	Description	Standard Pack	Price
750-60NF-3PH	Non-Fusible 60 Amp	1	\$213

LIQUID TIGHT FLEXIBLE CONDUIT



- Specifically for electrical applications. For outside, inside and industrial uses including transformer connections, air conditioning and heating. Joins with metallic or non-metallic connectors, easy to cut. Conduit is impact resistant, chemical resistant and will not kink. U.L. and C.U.L. Listed. For use as indicated in Article 351 of the 1987 NEC.

Part No	Description	Standard Pack	Price
750-12100	1/2" x 100" Liquid Tight Conduit (Non-Metallic)	100" Roll	\$83
750-34100	3/4" x 100" Liquid Tight Conduit (Non-Metallic)	100" Roll	\$105

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

DISCONNECTS

LIQUID TIGHT CONNECTORS



For use with metallic and non-metallic liquid tight conduit, Type B. Provides smooth connection, no sharp edges to strip wire. Wiring easily pulled through. U. L. Listed. C.U.L. Listed.

Part No	Description	Standard Pack	Price
750-NMLT50	1/2" Straight Connector	25	\$3
750-NMLT175	3/4" Straight Connector	10	\$3
750-MLT9075	1/2" 45 Degree Elbow Connector	10	\$3
750-NMLT4575	3/4" 45 Degree Elbow Connector	10	\$5
750-MLT9050	1/2" 90 Degree Elbow	10	\$3
750-NMLT9050	3/4" 90 Degree Elbow	10	\$3

A/C WHIPS

PRE-ASSEMBLED

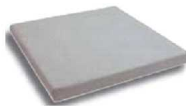


Each whip comes assembled. Wire is provided in 3 distinct colors for ease of hook-ups. Saves time and effort in wiring air conditioner condenser units.

Part No	Description	Price
ACW-5004	A/C Whip 1/2 x 4ft	\$22
ACW-5006	A/C Whip 1/2 x 6ft	\$29
ACW-7504	A/C Whip 3/4 x 4ft	\$30
ACW-7506	A/C Whip 3/4 x 6ft	\$38

EQUIPMENT PADS

ULTRALIGHT LIGHTWEIGHT EQUIPMENT PADS



Where Local codes superseded the international code and require a pad thicker than 2"-3" UltraLite is the solution.

Part No	Size	Thickness (IN)	Pallet Qty (skid)	Price
24243-UL	24 x 24	3	15	\$28
30303-UL	30 x 30	3	15	\$46
32323-UL	32 x 32	3	15	\$52
3636UL	36 x 36	2	20	\$60
3648UL	36 x 48	2	20	\$78

EQUIPMENT PADS

E-LITE PADS



E-LITE’s rugged design provides uniform and generous ribbing for optimum, self-leveling ground support without inserts. The result is a pad that is lightweight, but not too light. A subtle texture prevents unit slide and presents a classic appearance, which is enhanced by rounded edges and a concrete gray color. Each pad is molded with a size label and a symbol representing content of recycled material.

Part No	Size	Thickness (IN)	Qty (skid)	Price
PP2424	24 X 36	2	22	\$47
PP2436	24 X 24	2	44	\$30
PP3030	30 X 30	2	22	\$47
PP3036	30 X 36	2	22	\$56
PP3040	30 X 40	2	22	\$62
PP3232	36 X 36	2	22	\$68
PP3636	32 X 32	2	22	\$51
PP3640	36 X 40	2	22	\$73
PP3648	36 X 48	2	22	\$94

LINESETS



Linesets consist of two semi-flexible copper pipes to connect the outdoor air conditioner or heat pump to the indoor evaporator coil. The liquid line diameter for all systems is 3/8 inches in diameter. The suction line diameter will be either 3/4, 7/8 or 1 1/8 inches, depending on the size and efficiency of the air conditioner or heat pump. Line sets come in several lengths, and are designed to be cut to fit your exact need.

Part No	Description	Length	Price
610-15-3/8	Lineset 3/8-LL 5/8-SL 3/8-Ins	15 ft	\$153
610-25-3/8	Lineset 3/8-LL 5/8-SL 3/8-Ins	25 ft	\$225
610-35-3/8	Lineset 3/8-LL 5/8-SL 3/8-Ins	35 ft	\$270
610-50-3/8	Lineset 3/8-LL 5/8-SL 3/8-Ins	50 ft	\$353
612-15-3/8	Lineset 3/8-LL 3/4-SL 3/8-Ins	15 ft	\$153
612-25-3/8	Lineset 3/8-LL 3/4-SL 3/8-Ins	25 ft	\$215
612-35-3/8	Lineset 3/8-LL 3/4-SL 3/8-Ins	35 ft	\$270
612-50-3/8	Lineset 3/8-LL 3/4-SL 3/8-Ins	50 ft	\$360
614-15-3/8	Lineset 3/8-LL 7/8-SL 3/8-Ins	15 ft	\$200
614-25-3/8	Lineset 3/8-LL 7/8-SL 3/8-Ins	25 ft	\$293
614-35-3/8	Lineset 3/8-LL 7/8-SL 3/8-Ins	35 ft	\$373
614-50-3/8	Lineset 3/8-LL 7/8-SL 3/8-Ins	50 ft	\$468
618-25-3/8	Lineset 3/8-LL 1-1/8-SL 3/8-Ins	25 ft	\$453
618-35-3/8	Lineset 3/8-LL 1-1/8-SL 3/8-Ins	35 ft	\$605
618-50-3/8	Lineset 3/8-LL 1-1/8-SL 3/8-Ins	50 ft	\$775

INSTALLATION ACCESSORIES

SLIMDUCT

PVC LINESET COVERS



Slimduct's complete line of PVC lineset covers and fittings conceal and protect unsightly refrigerant linesets, whether they serve a mini-split system, a conventional ducted split-system, or a refrigeration system. Slimduct lineset covers can handle anything from a 1-ton mini-split to a 100-ton central A/C system, and look good doing it. (also available in Ivory and Brown, special order)

Part No	Desc	Size (inch)	Color	Price
SC-100-W	90deg vert elbow	2-3/4 x 4	white	\$35
SC-140-W	90deg vert elbow	3 x 5-1/2	white	\$48
SC-77-W	90deg vert elbow	2-1/2 x 3	white	\$19
SCF-100-W	45deg vert elbow	2-3/4 x 4	white	\$29
SCF-140-W	45deg vert elbow	3 x 5-1/2	white	\$38
SCF-77-W	45deg vert elbow	2-1/2 x 3	white	\$15
SD-100-W	Lineset cover	2-3/4 x 4 x 78	white	\$77
SD-140-W	Lineset cover	3 x 5-1/2 x 78	white	\$115
SD-77-W	Lineset cover	2-1/2 x 3 x 78	white	\$52
SEN-100-W	end fitting	2-3/4 x 4	white	\$20
SEN-140-W	end fitting	3 x 5-1/2	white	\$29
SEN-77-W	end fitting	2-1/2 x 3	white	\$12
SFJ-100-W	flexible adapter	2-3/4 x 4	white	\$11
SFJ-77-W	flexible adapter	2-1/2 x 3	white	\$5
SFS-100	saddle for flex ell	2-3/4 x 4	white	\$8
SFS-77	saddle for flex ell	2-1/2 x 3	white	\$6
SIF-100-W	2" fixed offset	2-3/4 x 4	white	\$44
SIF-77-W	2" fixed offset	2-1/2 x 3	white	\$24
SJ-100-W	coupler	2-3/4 x 4	white	\$13
SJ-140-W	coupler	3 X 5-1/2	white	\$20
SJ-77-W	coupler	2-1/2 x 3	white	\$6
SJA-100-W	rear entry coupler	2-3/4 x 4	white	\$26
SJA-140-W	rear entry coupler	3 x 5-1/2	white	\$38
SK-100-W	90deg flat elbow	2-3/4 x 4	white	\$36
SK-140-W	90deg flat elbow	3 x 5-1/2	white	\$48
SK-77-W	90deg flat elbow	2-1/2 x 3	white	\$19
SKF-100-W	45deg flat elbow	2-3/4 x 4	white	\$29
SKF-140-W	45deg flat elbow	3 x 5-1/2	white	\$38
SKF-77-W	45deg flat elbow	2-1/2 x 3	white	\$15
SP-100-W	soffit inlet	2-3/4 x 4	white	\$26
SP-140-W	soffit inlet	3 x 5-1/2	white	\$31
SP-77-W	soffit inlet	2-1/2 x 3	white	\$23
ST-100-W	tee	2-3/4 x 4	white	\$67
ST-140-W	tee	3 x 5-1/2	white	\$79
ST-77-W	tee	2-1/2 x 3	white	\$48
SW-100-W	wall inlet	2-3/4 x 4	white	\$36
SW-140-W	wall inlet	3 X 5-1/2	white	\$49
SW-77-W	wall inlet	2-1/2 x 3	white	\$19

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INSTALLATION ACCESSORIES

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INSTALLATION ACCESSORIES

THERMOSTAT WIRE

SOLID T-STAT



Part No	Size	Description	Price
18/10-UL	18/10	250ft roll	\$218
18/2-UL	18/2	500 ft Rolll	\$98
18/3-UL	18/3	250 ft Rolll	\$143
18/4-UL	18/4	250 ft Rolll	\$100
18/5-UL	18/5	500 ft Rolll	\$100
18/6-UL	18/6	250 ft Rolll	\$143
18/8-UL	18/8	250 ft Rolll	\$150
18/8-UL-W	18/8	250 ft Rolll White Jacket	\$150

HELLERMANN TYTON CORP

HEAVY DUTY CABLE TIES

T150 SERIES



Material DataMaterialPolyamide 6.6 (PA66)**Operating Temperature**40 °F to +185 °F (-40 °C to +85 °C)
continuous**Flammability**UL94 V2

Part No	Length	Pkg Qty	Color	Pk per Ctn	Price
T150LL	36 inches	25	Natural	20	\$15
T150XLL	52 inches	25	yellow	20	\$30

STANDARD CABLE TIES

T50 SERIES



Hellermann Tyton manufactures a full line of high quality cable ties in a variety of styles, sizes, materials and colors. Used to bundle and secure wire and cable, HellermannTyton cable ties are engineered and manufactured for maximum

Part No	Length	Color	Pkg Qty	Description	Price
T-50-IOC	11-3/4 inch	Black	100	11-3/4" Black Standard Cable Ties	\$23
T-50-ROC	8 inch	Black	100	8" Black Standard Cable Ties	\$10

VENTURE TAPE CORP

FLUE PIPE TAPE 2 MIL



Dead soft foil conforms well to irregular surfaces. Available with Finger Lift Edge.Adheres to ceramic welding rod; resists high temperatures incurred during welding. Also used as a heat shield in automotive and other applications. **Temperature** 425°F (219°C)

Part No	Shear Strength	Peel Adhesion	Tensile Strength	Minium Application Temperature	Widt h	Total Thickness	Release Liner	Price
3243-3	4.4psi indefinite (30.4 kPa)	85 oz/in width (24.1 N/2.5 cm)	27 lb/in width (122 N/2.5 cm)	10°F (-12°C)	3"	3.8 mils (93μ)	52 lb (85 GSM) natural kraft	\$40

INSTALLATION ACCESSORIES

INSTALLATION ACCESSORIES

VENTURE TAPE CORP

FOIL HVAC TAPE



Typical Usage-Sealing sheet metal and fiberglass ducts

Features & Benefits

- High performance insulation tape is ideal for use as a vapor seal for reinforced fiberglass or mineral wool thermal insulation.
- May also be used on FSK systems • Venture CW™ acrylic adhesive performs well over a wide temperature range • Hand tearable allows for easy installation • Excels in high heat humidity environmental conditions • In stock product available for immediate delivery **Low Application Temperature: -35°F (-37°C)**

Part No	Shear Strength	Peel Adhesion	Tensile Strength	High Temperature Resistance	Width	Length	Thickness	Color	Price
1520CW-3	2.2 psi Indefinite	96 oz/in	27 lb/inch width	260°F (127°C)	3"	50 yards	3.5 mils	silver	\$23
1520CW-4	2.2 psi Indefinite	96 oz/in	27 lb/inch width	260°F (127°C)	4"	50 yards	3.5 mils	silver	\$33

FOIL HVAC TAPE FSK



Typical Usage-Sealing fiberglass blanket and ductboard FSK faced systems. **Low Application Temperature: -25°F (-32°C)**

Part No	Shear Strength	Peel Adhesion	Tensile Strength	High Temperature Resistance	Width	Length	Thickness	Color	Price
1525CW-3	2.0 psi Indefinite	92 oz/in	40 lb/inch width	175°F (80°C)	3"	50 yards	6.5 mils	silver	\$25
1525CW-4	2.0 psi Indefinite	92 oz/in	40 lb/inch width	175°F (80°C)	4"	50 yards	6.5 mils	silver	\$38

FOIL HVAC TAPE UL-181A-P



Typical Usage-Sealing fiberglass ductboard. UL181 approved. **Temperature Low Application Temperature: -20°F (-29°C)**

Part No	Shear Strength	Peel Adhesion	Tensile Strength	High Temperature Resistance	Width	Length	Thickness	Color	Price
1581A	2.2 psi Indefinite	66 oz/in	25 lb/inch width	260°F (127°C)	3"	60 yards	4.0 mils	silver	\$35

VENTURECLAD 15775-PLY LAMINATED FOIL FILM

5-PLY LAMINATED FOIL FILM



Venture Tape VentureClad™ 1577CW® is a zero permeability, absolute vapor barrier for insulation cladding and jacketing applications. A 5-ply, self adhesive material installs quickly and easily with no special tools required, resulting in significant time, labor, and cost savings. VentureClad™ 577CW® exceeds most building code requirements and can be used for new construction as well as repair on existing structures. Available in natural aluminum, white, black, and stucco embossed texture, VentureClad™ 1577CW® is the highest performing, highest value product on the market today.

Features & Benefits

- High performance jacketing product performs well over a wide temperature range (-30°F to +248°F application surface temperature) • Venture CW® cold weather acrylic adhesive applies easily at temperatures as cold as -10°F • Zero permeability, absolute vapor barrier • High puncture and tear resistance
- Self adhesive material installs easily with no off-site fabrication required • UL Listed - exceeds all requirement of UL723 (25/50 Flame/Smoke Rating) • Meets requirements of FSIS Directive 5000.1, 9 CFR, Part 416 for USDA and FDA facilities and Department of Health and Human Services Construction Guide for Food Facilities .

Standard			
Part No	Widths	Length	Price
1577CW-23	23"	50 yards	\$853

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

VENTURE TAPE CORP

UL 181B-FX PRINTED TAPE



Typical Usage-Sealing flexible ducts. UL181 approved. **Low Application Temperature:** -35°F (-37°C)

Part No	Shear Strength	Peel Adhesion	Tensile Strength	High Temperature Resistance	Width	Length	Thickness	Color	Price
1599B-2	2.2 psi Indefinite	41 oz/in	22 lb/inch width	260°F (127°C)	2"	120 yards	3.0 mils	silver	\$25
1599B-2-TD	2.2 psi Indefinite	41 oz/in	22 lb/inch width	260°F (127°C)	2"	120 yards	3.0 mils	black	\$48
1599B-2C	2.2 psi Indefinite	41 oz/in	22 lb/inch width	260°F (127°C)	2"	120 yards	3.0 mils	clear	\$28

TOOLS & MISC

PLASTIC HANGER STRAP



• Attractive display packaging • High strength, flexible & non-conductive • Cut to any length with scissors or utility knife • Uses: pipe hanger, duct hanger, tubing strap, utility strap, etc.

Part No	Description	Std Qty	U M	Price
13038	3/4" x 100" Roll Plastic Strap (Box)	12	RL	\$20

TOOLS & MISC

DUCT STRAP, TIES, CLAMPS

METALLIC – ROLL

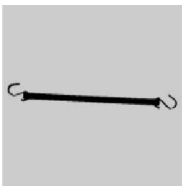


Galvanized duct strap in convenient cardboard dispenser. Solid strapping, easy to drill or nail.

Part No	Description	Standard Pack	Price
710-002	30 Gauge - 1" x 100'	1	\$18
710-003	30 Gauge - 1-1/2" x 100'	1	\$28

TOOLS & MISC

RUBBER TIE-DOWN STRAPS



• Engineered to perform
• Sunlight & temperature resistant
• Manufactured from virgin EPDM rubber
• Features heavy duty galvanized "S" hooks

Part No	Description	Std Qty	U M	Price
174	20" Rubber Tie-Down Strap (Bulk Packed)	100	EA	\$3

INSTALLATION ACCESSORIES

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

TOOLS & MISC

HAND TOOLS

STAPLE GUN



- All steel construction • 14954 is ideal for use with fiberglass ductwork • High carbon, hardened steel working parts • Adjustable leg curl with 14954 outward clinch

Part No	Description	Std Qty	U M	Price
T50	Staple Gun	1	EA	\$100
T50OC	Outward Clinch Staple Gun	1	EA	\$138
14956	3/8" Leg T-50 Staple (1250 / Box)	1	BX	\$8
14957	1/2" Leg T-50 Staple (1250 / Box)	1	BX	\$8
73307	9/16" Leg T-50 Staple (1250 / Box)	1	BX	\$8

NATURAL ORANGE HAND CLEANER



- Petroleum-free citrus formula
- Fast cleaning lotion
- Lanolin, aloe & jojoba for skin care

Part No	Description	Std Qty	U M	Price
17751	14 oz Orange GOJO Lotion	12	EA	\$13

HEAT ABSORBERS

BLOC-IT HEAT ABSORBING PASTE



- Effectively absorbs surface heat • Non-toxic, no asbestos, harmless to skin • Non-staining & odorless

Part No	Description	Std Qty	U M	Price
11511	10 oz Absorbing Paste	24	EA	\$18

WASP & HORNET SPRAY



- Shoots a 20 foot blast • Instant knockdown • Quick kill • Non-conductive to 28,000 volts

Part No	Description	Std Qty	U M	Price
13142	16 oz. Spray Can Wasp & Hornet killer	12	EA	\$18

WYPALL PLUS ALL PURPOSE WIPERS

WYPALL PLUS ALL PURPOSE WIPERS



- Strong yet soft wipers that are suitable for almost any wiping task • Quickly & easily absorbs liquids, oils & grease • Soft & pliable, ideal for personal wiping • More economical than rags & shop towels • Each towel is 9.8" x 16.4" • White in color

Part No	Description	Std Qty	U M	Price
18490	WypAll Plus	9	EA	\$43

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

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INSTALLATION ACCESSORIES

TOOLS & MISC

WYPALL PLUS ALL PURPOSE WIPERS

WYPALL PLUS ALL PURPOSE WIPERS



- Nylon-reinforced for extra wet strength • Always clean, fresh, and uncontaminated • Each towel is 9.1" x 16.8" size • White in color • Unique embossing traps in dirt & soaks up liquids

Part No	Description	Std Qty	U M	Price
19099	Teri Wipes (126/Box)	10	EA	\$38

TOOLS & MISC

WATERLESS HAND WIPES



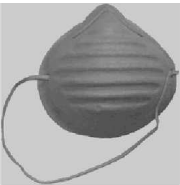
- These wipes go wherever hands go to get dirty. Full sized 12" x 12" wipes for full sized cleaning. Natural cleaning agent is tough on grease, grime, ink, and paint. Dual textured - smooth for wiping on one side and tough for scrubbing on the other. More wipes with our new 75 count bucket.

Part No	Description	Standard Pack	Price
5-42272	Kimberly-Clark Waterless Hand Wipes	1 Bucket	\$38

TOOLS & MISC

ECONOMY DUST MASKS

RESPIRATOR/DUST MASKS



- Inexpensive • Disposable

Part No	Description	Std Qty	U M	Price
19662	Economy Dust Masks	1	BX	\$23

SNAPLOCK GEAR CLAMP



- Stainless steel band & housing • Zinc-plated, yellow chromate, carbon steel bridge • Swivel-action locking of screw to band makes this clamp truly versatile
- 5/16" hex head screw

Part No	Description	Std Qty	U M	Price
17159	Snaplock Gear Clamp	10	EA	\$8

INSTALLATION ACCESSORIES

TOOLS & MISC

SMOKE EMITTERS



These unique smoke emitters emit a dense, oil-free, non-toxic smoke. Use to test and balance air flows. Smoke cartridges are non-explosive & are packaged in sealed capsules. Easily locates leaks in furnaces & ductwork.

Part No	Description	Std Qty	U M	Price
116	150 Cubic Feet Smoke / 45 Second Burn Time	100	EA	\$48

DIVERSITECH

CEMENTS, SEALANTS, ADHESIVES

DIVERSIGUM SEALING COMPOUND



Non-hardening. For plugging openings through foundations or around refrigeration tube entry.

Part No	Description	Standard Pack	Price
Thum-gum	2 lb. Slug	20	\$10

PRO-AIR DUCT SEALANT



UI 181 AM-BM Listed:

Water-based fiber-reinforced duct sealant/mastic formulated for indoor/outdoor use. Meets U.L. Class 1 rating and local codes while featuring long term flexibility and strength. Use on metal heating, ventilating, and air conditioning duct systems; as well as fiberglass duct board systems and flex duct systems. Recommended for use to 10" of water column pressure without the need for fiberglass mesh reinforcement.

Part No	Description	Standard Pack	Price
800-009	1 Gallon	4	\$40
800-008	1/10 Gallon Tube	12	\$5

HEAVY DUTY ADHESIVE SPRAY



This wide web spray adhesive is ideal for both temporary or permanent bonding. Waterproof, transparent and non-staining. Use for the toughest adhesive applications with leather, cardboard, most plastics, polyethylene sheeting and insulation in HVAC applications. Cleans with mineral spirits. Not for use on vinyl.

Part No	Description	Standard Pack	Price
315-20	12 oz. Adhesive Spray	12	\$15

HOSES, COMPRESSION SPRAYERS



Acid impervious poly design with a 36" reinforced hose, shut-off with lock-on feature for continuous spraying, a 2-piece nozzle that's detachable for easy clean up and fits directly to the shut-off or extension wand. The Hand-Held Sprayer has a 48 oz. capacity, perfect for small areas. All sprayers have a full 5 year warranty.

Part No	Description	Standard Pack	Price
1002	Hand Held Sprayer	1	\$35

DIVERSITECH

PAINTS AND PRIMERS

GENERAL PURPOSE SPRAY PAINT



New, more complete line of professional quality fast drying spray paints. Color code compressors or refrigerant recovery cylinders to match standard refrigerant identifying colors. Touch up equipment housings.

Part No	Description	Standard Pack	Price
799-002	Flat Black	6	\$8

TOOLS

ANCHOR KIT

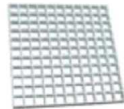


Plastic anchor kit for sheet rock applications. Kit includes 100 anchors, screws and 1 masonry bit.

Part No	Description	Standard Pack	Price
540-AK100	Anchor Size 1/4 x 1, Screw Size 10 x 1-1/4 HWH Head Size 5/16 Hex	100 Box	\$15

VENTILATION PRODUCTS

EGG CRATE LOUVERS – AIR RETURN DIFFUSERS



White polystyrene 1/2" open cell grid.

Part No	Description	Standard Pack	Price
650-200	2" x 4" x 3/8"	15	\$40

DOW CORNING

FIRE STOP

FIRE-RATED SILICONE SEALANT



Part No	Color	Size	Description	Price
81410	Light Gray	10.1 oz	Cartridge	\$23

INSTALLATION ACCESSORIES

DOW CORNING

HI-TEMP SILICONE SEALANT



Features

- Cures to 100% silicone rubber
- Resists the effects of sunlight and weather extremes
- Fast cure, high strength

Benifits

- Performs in high temperature applications, up to 500°F (260°C) continuously, and 550°F (288°C) intermittently
- Remains flexible, will not become brittle, crack, shrink or chalk
- Supplied in removable, reusable, resealable nozzle which saves time and sealant

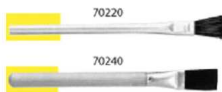
Description

Dow Corning® Hi-Temp Silicone Sealant is a one-part, acetoxycure silicone sealant that cures to a tough, rubbery solid at room temperature on exposure to water vapor in the air. It forms a long-lasting, water-resistant seal with ±25% movement capability when properly applied.

Part No	Description	Price
1233-600	600DEG.MAX 10.1 OZ.(37610)	\$23

MILLROSE

ACID BRUSHES



High quality Mill-Rose acid brushes are manufactured to exacting standards. All fill materials used are pure horsehair with stringent specifications for the amount per brush. The handles for the #1, 2 & 3 are coated tin plate with bright finish. The #7 acid brush has a hardwood handle with a seamless aluminum ferrule. If you want a quality acid brush - try these!

Part No	Size	Wire	Price
SH-70221	#2	3/8"	\$1
SH-70240	#7	3/4"	\$3

BOILER AND FLUE BRUSHES



Part No	Description	Std Pkg	Qty	Price
SH-01480	2" Dia., 42" OAL, Fiber/Horsehair Tube Brush	24	24	\$13
SH-39961	2" Dia., 27" OAL, Horsehair Tube Brush	12	24	\$10
SH-84200	1-1/2" X 1-1/8", 30" OAL, Weil-Mclain Boiler Brush	24	24	\$13

TUBE BOTTLE AND VALVE GUIDE BRUSHES

TUBE BRUSHES HORSEHAIR FILL



For light-duty jobs in applying either wet or dry ingredients or cleansers, these single-spiral brushes are low in cost, long-lasting, and quality-made from top grade bristles with rugged steel wire handles and bristle ties. Made in a variety of natural and man-made fibers, many bristle gauges, and scores of different types. We have something to meet any of your tube brush requirements; hand held or power activated.

Part No	Diameter	Brush Part	Overall Length	Twisted Stem Diameter	Price
SH-01480	2"		42"	.130	\$13
SH-04860	1/2"	3"	8-1/2"	.130	\$5
SH-84200	1-1/2"		1-1/8"	.130	\$13

WALL BRUSHES

POLY CHIP



Part No	Width	Trim	Thickness	Std Pkg	Price
SH-70460	2"	1-11/16"	3/8"	24	\$3
SH-70440	1"	1-11/16"	5/16"	36	\$3
SH-70482	3"	1-15/16"	7/16"	12	\$5

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

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INSTALLATION ACCESSORIES

SHUBEE INC

DARK BLUE DISPOSABLE COVERALLS

SMS DARK BLUE COVERALL WITH POCKETS



This coveralls comes with 5 convenient pockets to allow you to keep your hands free while crawling or climbing. Made from a stay cool, breathable material. Also features elastic wrist to keep the dirt from going up your sleeve and boot leg cut to fit on over your boots. Available in dark blue, dark green or white. Protective coveralls are also essential when working in areas of cross contamination, bacteria, food processing, laboratories, medical, asbestos, etc and the additional features of ShuBee coveralls make them the ideal choice.

- Pockets • Elastic Wrist • Boot Leg Cut • Choice of Color

Part No	Description	Price
SB-DB-02	Shubee Disposable Coveralls	\$312

DISPOSABLE SHOE COVERS

REGULAR SHUBEE



- Shoe covers designed for various industries.
- ShuBee shoe covers are vital in industries such as medical, food processing, contamination, plumbing, and various other industries where contamination is a concern.
- Our shoe covers can be slipped on in seconds to protect from bacteria, hazardous materials, and cross contamination.
- More durable, Made for Service, Non-skid bottoms, citrus scented.
- Successful industries say, "Shubees provide a great level of protection".
- "Shubees are a must have for every industry."
- "They smell so fresh, too!"

Part No	Description	Color	Price
SB-DB-01	Fits up to size 18 Guaranteed	Blue	\$56
SB-G-01	Fits up to size 18 Guaranteed	Green	\$56
SB-R-01	Fits up to size 18 Guaranteed	Red	\$56

SPECIALTY PRODUCTS

RED CARPET TREATMENT



- Nonslip Surface
 - Easy Application
 - Easy Removal
- Roll out the ShuBee RED CARPET TREATMENT and impress your customers. This self-adhesive polyethylene product shields carpets from dirt, stains and heavy traffic. Better than a drop cloth, this nonslip product is simple to apply and dispose of.

Part No	Cat No	Size	Price
SB-CP-24R	RCT-24	24" x 250"	\$150

WATERPROOF SHOE COVERS

WATERPROOF SHUBEE DARK BLUE



- Mud Proof.
- Snow and Ice Proof.
- Waterproof ShuBees.
- Made from a slip resistant textured plastic these shoe covers are ideal for those adverse weather conditions.
- Great for indoor or outdoor use.
- This unique plastic is so durable you can get many uses out of them before you throw them away.

Part No	Description	Color	Qty per box	Price
C-SB-SC-WP-DB	Water Proof Shubee Shoe Covers	Dark Blue	50 pair	\$56

INSTALLATION ACCESSORIES

THERMO MANUFACTURING

THE RESIDENTIAL PANNING STANDARD FOR NORTH AMERICA

THERMO-PAN



THERMO-PAN® - is a high-quality, sheet metal alternative for constructing return air ducts between joists and stud cavities. Consists of corrugated insulation faced with aluminum. Available in various widths, packed 25 to the box. Significantly reduces duct noises and labor. Requires no shop fabrication. Lightweight pre-cut THERMO-PAN® comes in many sizes. Staples easily and quickly to floor joists and stud cavities, saving on labor costs and adding higher quality to the job.

- No shop fabrication, user friendly - no cut hands.
- No 'oil canning' or duct noise to generate contractor callback.
- Air space in the corrugated medium provides positive R-value.
- Stapling as directed results in a plenum air seal tighter than sheet metal.
- Enviro-friendly; made from recycled products. Moisture treated against dampness.
- All popular joist size; pre-formed headers (for both regular joists and I-joists) also available.
- Will not sustain combustion. (ASTM E84-91a: Flame Spread 35/Smoke Developed Index 25)
- R-Value 5. R-Value 8, if doubled.

Part No	Size	Pcs/Box	Product	Price
TP16048	16" x 47.5"	25	SA	\$160

CLASS 1 FIRE RATING

FIRE-RESISTANT THERMO-PAN



FIRE-RESISTANT THERMO-PAN® has all the superior characteristics you've come to rely on with the extra dimension of the Class 1 Fire rating.

Look for these test values on every piece of Fire-Resistant Thermo-Pan®

- No duct noise
- Easy to install
- Lightweight to haul
- Satisfied homeowners
- Four (4) precision pre-cut header sizes
- Also available in standard size 16"x 47.5" sheets
- Intertek Testing Services/ETL Semko Report No. J20040829-001 dated 3/20/01. ASTM E84-002 Surface Burning. Characteristics of Building Materials. Product distinguished by its own imprint

Part No	Size	Pcs/Box	Product	Price
16013	16" x 12"	250	Class 1 Fire Rating	\$85

FOR TIGHT SEALING AIR BLOCKS

THERMO-HEADERS



THERMO-HEADERS™ are made from Thermo-Pan, our headers are the answer to capping off the return air run. Headers come in four popular sizes to fit both standard and I-Joist construction. Precision die cut and scored for easy installation!

- Pre-cut and Sorted to fit easily between joists.
- Specially-sized headers are cut and scored to fit I-joist construction.
- Packaged: 25 pieces per bag, 10 bags per box.

Part no	Size	Pcs/Box	Product	Price
TH16016	16" x 16"	250	Standard Header	\$75

THERMO-LEVELERS



Level furnaces, electric heaters, air conditioners or any other types of home or industrial equipment. for easy installation set the lowest height of Twist Blocks under all 4 corners or furnace, then level up corners that are low by turning blocks to desired height. Also offered in a 4 PC/PKG for the contractor. 5,000 lbs. crushing strength

Vibration Blocks

- Made from Recycled Products • Softer than Leveler Blocks • Perfect for residential, commercial, and industrial use.
- Shim furnaces and condenser units - vibration free • Made from PURE polymer that won't chip, crack, split or rot
- Softer than LEVELER BLOCKS • Lightweight • Water and insect resistant. • Made from recycled wood composite that won't chip, cack, split or rot. • Raises furnace off floor for easier cleaning. • Stops moisture and equipment rusting. • Won't conduct cold.

Part No	Size	Pcs/Pk	Crush Strenght	Product	Price
19525	3/4" x 3" x 3"	4	500 lbs/pk	Vibration Blocks	\$8

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

INSTALLATION ACCESSORIES

THERMO MANUFACTURING

THROUGH - THE - WALL LINE SET KIT

THERMO-THIMBLES



The pro way to run A/C line sets, electrical and thermostat wires through walls! Add a professional look to through-the-wall installations!

- Creates a permanent, air-tight seal through walls.
- Temporary plug keeps out air, insects and other pests.
- For new construction or retrofit.
- No ugly holes to patch.
- For new construction or retrofit.
- Flange pre-marked for nails or screws.
- Unit offers custom, professional look
- No snagged line sets

Part No	Size	Pcs/Box	Product	Price
44008	For walls 8" or less	20	Thimble Kit (Rectangular)	\$13

UNIVERSAL MOUNTING BRACKETS

THERMO-SNAP CLAMP



THERMO-SNAP CLAMP™ - Give the quality, professional look to your job with just half the labor. Thermo-Snap Clamps are the low-cost solution to all your pipe mounting jobs. Pre-mounted brackets provide an easy one man installation job that is literally a snap! Multi-use, adjustable Snap Clamp: Micro, Mini, Residential, Commercial, Industrial. "Another great innovation from THERMO MANUFACTURING INC."

- Multi-use applications including copper, PVC, and ABS pipes.
- Five heavy duty sizes.
- UV protected.
- Maintenance Free -- use indoors or out.
- Eliminate vibrations and noise call backs.
- Easy to re-open to make an addition.

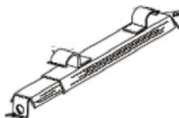
Part No	Size	Pcs/Box	Product	Price
41118	Residential 1-1/2" OD	500	Snap Clamps	\$8

C & S MANUFACTURING

BASSET BRACKETS-SELF NAILING

A-1

GALVANIZED 12" TO 19"



Part No	Qty Carton	Description	Price
A-1	50	Brackets 12^ - 19	\$54

BASSET PRODUCTS

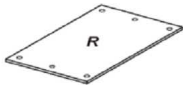
BRACKET FOR PEX TUBING

GALVANIZED 12" TO 19"



Part No	Quantity Carton	Wt/Ctn (Lbs)	Type	Price
A-125-P	25	5 Lbs.	REG.	\$60

BOCA SAFETY PLATES



Part No	Quantity Carton	Gauge	Width/ Length	Wt/Ctn (Lbs)	Price
P58-16-R	50	16	5" x 8"	34	\$82

INSTALLATION ACCESSORIES

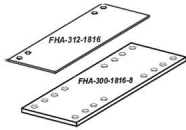
C & S MANUFACTURING

FHA PLATE - 100 1-1/2" WIDE



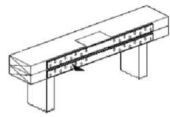
Part No	Quantity Carton	Gauge	Width/ Length	Wt/Ctn (Lbs)	Price
FHA-100-1816	50	16 GA.	1 1/2" x 18"	23	\$50
FHA-100-1818	50	18 GA.	1 1/2" x 18"	19	\$44

FHA PLATE - 300 3" WIDE



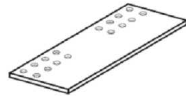
Part No	Quantity Carton	Gauge	Width/ Length	Wt/Ctn (Lbs)	Price
FHA-300-1816-8	25	16 GA.	3" x 18"	23	\$42
FHA-312-1816	25	16 GA	3 1/2" x 18"	26	\$70

FHA PLATE - 400 1-1/2" WIDE



Part No	Quantity Carton	Gauge	Width/ Length	Wt/Ctn (Lbs)	Max Notch Width	Price
FHA-400-2416	50	16	1 1/2" x 24"	30	11"	\$82

FHA PLATE - 500 5" WIDE



Part No	Quantity Carton	Gauge	Width/ Length	Wt/Ctn (Lbs)	Max Notch Width	Price
FHA-500-1816-8	25	16	5" x 18"	150	11"	\$78

LIGHT-WEIGHT CLEVIS HANGER



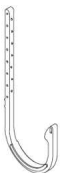
Part No	Quantity Carton	Pipe Size	Rod Size	Max Rec Load Lbs	Lbs/ Ctn	Material	Price
CHLS-1-5	100	1"	3/8"	250	24	Carbon Steel.	\$2
CHLS-2-5	50	2"	3/8"	250	20	Carbon Steel.	\$2
CHLS-12-5	100	1/2"	3/8"	150	24	Carbon Steel.	\$2
CHLS-34-5	100	3/4"	3/8"	250	24	Carbon Steel.	\$2
CHLS-112-5	100	1-1/2"	3/8"	250	28	Carbon Steel.	\$2
CHLS-114-5	100	1-1/4"	3/8"	250	28	Carbon Steel.	\$2

PERFORATED PIPE AND DUCT STRAP



Part No	Width/ Length	Gauge	Pipe Strap Part	Price
PERF-STRAP	3/4" x 50" Rolls	24 GA.	PS 50-1-28G	\$8

RIGID HANGERS



Larger D.W.V. Rigid Pipe Hangers. Made of strong white ABS plastic with 3/4" wide saddle. Snap in feature holds pipe firmly. Used for PVC, ABS and copper piping.

Part No	Bag		Pipe Size	Price
	Quantity	Weight (Lbs)		
BRH-2	25	2	2"	\$30
BRH-3	25	3	3"	\$34

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

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C & S MANUFACTURING

SNAP N' SLIDE SYSTEM

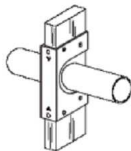


The Basset "Snap N' Slide" tubing clamp, when used with a Basset Sliding Bracket, is ideal for supporting PEX, CPVC or copper tubing for radiant heat as well as for stubbing out copper tubing or CPVC supply lines.

Part No	Quantity Carton	Wt/Ctn (Lbs)	Description	Price
SSC-12	25	6	1-Self-Nailing Bracket W/2 1/2" Clamps	\$40
SSC-34	25	6	1-Self-Nailing Bracket W/2 3/4" Clamps	\$40

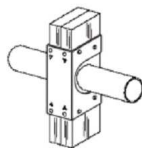
STUD SUPPORTS

SINGLE STUD SUPPORT



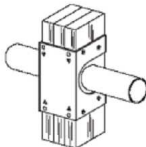
Part No	Width Size	Quantity Carton	Carton Wt (Lbs)	Price
BS-150	1.51"	25	10	\$48

DOUBLE STUD SUPPORT



Part No	Width Size	Quantity Carton	Carton Wt (Lbs)	Price
BS-300	3.1"	25	14	\$58

TRIPLE STUD SUPPORT



Part No	Width Size	Quantity Carton	Carton Wt (Lbs)	Price
BS-450	4.6"	10	8	\$28

SUSPENSION CLAMP



- A versatile clamp made of durable, non-corrosive polypropylene.
- For both wood or metal framework.
- Use on top or under joist or rafter.
- Split design snaps over copper, CPVC, PEX or polybute isolating it from mounting surface.

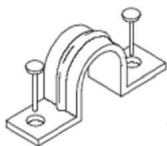
Part No	Quantity Carton	Carton Wt (Lbs)	Size	Material	Price
SC-1P-5	100	1	1/2"	Plastic	\$26
SC-2P-5	50	1	3/4"	Plastic	\$16

INSTALLATION ACCESSORIES

INSTALLATION ACCESSORIES**C & S MANUFACTURING****TWO-HOLE STRAPS**

NAILS INCLUDED

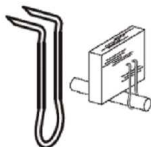
COPPER COATED & GALVANIZED FINISH



Part No	Quantity Carton	Pipe Size	Wt/Ctn (Lbs)	Finish	Price
1THS-CWN	100	1"	4	Copper Coated	\$14
12THS-CWN	100	1/2"	2	Copper Coated	\$8
34THS-CWN	100	3/4"	2	Copper Coated	\$10
114THS-CWN	100	1/4"	1	Copper Coated	\$24
STRAP 1	100	1"	5	Galvanized Coated	\$20
STRAP 2	50	2"	5	Galvanized Coated	\$30
STRAP 12	100	1/2"	2	Galvanized Coated	\$10
STRAP 34	100	3/4"	4	Galvanized Coated	\$14
STRAP 112	50	1-1/2"	4	Galvanized Coated	\$26
STRAP 114	50	1-1/4"	4	Galvanized Coated	\$26

WIRE PIPE HOOKS

COPPER PLATED



Part No	Quantity 50 To The Carton	Wt/Ctn (Lbs)	Price
1X4-9PWC	1" x 4"	3 Lbs.	\$14
12X4-9PWC	1/2" x 4"	3 Lbs.	\$14
34X4-9PWC	3/4" x 4"	3 Lbs.	\$14
34X4-11PWC	3/4" x 4"	2 Lbs.	\$12
34X6-11PWC	3/4" x 6"	3 Lbs.	\$14

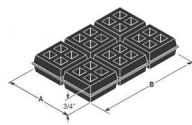
BRAMEC**ELECTRICAL**

CONDUIT FITTINGS

RIGID CONDUIT STRAPS



Part No	Description	Std Qty	U M	Price
CNDTSTRP-3/8	3/8" Conduit Strap, 1 Hole	100	EA	\$1

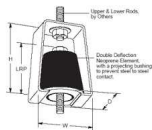
MASON INDUSTRIES**SUPER W WAFFLE PAD**

Material: • Natural Rubber • Standard Neoprene • AASHTO Bridge Bearing Neoprene **Full Sized Sheets:** Are 18 x 18 x 3/4" (450 x 450 x 19mm) consisting of 81 - 2" (50mm) square modules. Actual pad sizes are as scheduled below.

Part No	Size	Price
R18X18MSW	18x18x3/8 (81 2X2 SQUARES)	\$91
R18X18SW	18x18x3/4 (81 2X2 SQUARES)	\$105
R2X2SW	2x2x3/4	\$5

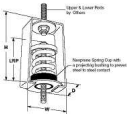
MASON INDUSTRIES

TYPE HD DOUBLE DEFLECTION NEOPRENE HANGERS



Part No	Size (Color Mark)	Durometer	Rated Capacity Range(kg)	Max Rated Deflection (mm) Max Rated	D mm	H mm	W (mm)	LRP	MRD	Price
97672	HD-A-Black	30	Up to 20	9	50	70	57	57	13	\$45
97673	HD-A-Green	40	14 - 34	9	50	70	57	57	13	\$38
97674	HD-A-Red	50	27 - 57	9	50	70	57	57	13	\$38

TYPE HS 25MM DEFLECTION X & A SPRING SERIES HANGERS



Part No	Size (Color Mark)	D mm	H mm	W (mm)	LRP	MRD	Rated Capacity (kg)	Rated Defl (mm)	Spring Constant (kg/mm)	Color Spring	Price
97679	HS-A-125	70	146	83	102	16	57	34	1.7	Brown	\$90
97680	HS-A-200	70	146	83	102	16	91	29	3.1	Black	\$90

MAXITROL GAS REGULATORS

LEVER ACTING DESIGN

GAS APPLIANCE PRESSURE REGULATOR



Features: • Designed for multi-poise mounting. • Self-aligning valve with lever action for dead end lockup. • Durable, corrosion-resistant construction. • High performance type for pounds to inches reduction. • Available in six pipe sizes from 3/8" to 1-1/2". **Benefits:** • Ease of installation. • Longer life, less maintenance. • May be used for both 2 psi and 5 psi corrugated stainless steel tubing (CSST) systems. • Precise regulation from pilot flows to full regulator capacity. • Meets many utility specifications.

Part No	Pipe Size	Swing Radius	Price
325-3	3/8 x 3/8 1/2 x 1/2	3 (76)	\$63
325-5A	1/2 x 1/2 3/4 x 3/4 1 x 1	4-7/8 (124)	\$123
325-7-114	1-1/4 x 1-1/4 1-1/2 x 1-1/2	6-1/8 (156)	\$240

LINE REGULATORS WITH OPDS



Part no	Pipe Size	Swing Radius	Price
325-7L210	1 1/4 1 1/2	6.75 (171)	\$1,515

INSTALLATION ACCESSORIES

MAXITROL GAS REGULATORS

LINE PRESSURE REGULATORS WITH OPDS

2-PSI REGULATOR AND OPD

**Features:**

- CSA certified for up to 5-psi inlet pressure.
- Over-pressure protection device (OPD) to limit downstream pressure in case of regulator failure.
- Maxitrol OPD approved and tested with the regulator.
- Self-aligning valve with lever action for dead end regulator lockup.
- Optional vent limiter eliminates the need to run vent piping to an outside area.

Benefits:

- Meets new ANSI standard Z21.80 for line pressure regulators - for use on piping systems such as CSST or semi-rigid copper tubing up to 5-psi.
- OPD provides required downstream over-pressure protection for supply pressures in excess of 2-psi.
- Pound to inches regulator provides precise control from pilot flows to full regulator capacity.
- Meets many utility specifications.

Part No	Pipe Size	Swing Radius	Price
325-3L48	1/2 x 1/2	3 (76)	\$100
325-5AL48	1/2 x 1/2 3/4 x 3/4	44 (112)	\$155
325-5AL600	3/4 x 3/4 1 x 1	44 (112)	\$305

VENT LIMITERS



A vent limiting orifice or device when used with Maxitrol regulators does not release or relieve gas into the environment during normal operation. Vent limiters are designed for use indoors and in spaces where limiting the amount of gas escapement due to diaphragm failure is critical. Vent limiters should not be used outdoors if they are exposed to the environment. 13A15 Vent Protector is available for outdoor use when vent protection is required.

Part No	Description	Price
12A09	Optional Automatic Vent Limiting Device for 325-3, 325-3L, 325-3L47 (regulator only), 325-3L48 (regulator & OPD), 325-5AL48 (OPD only), 325 5AL600 (OPD only)	\$13
12A39	Optional Automatic Vent Limiting Device for 325-5A, 325-5AL, 325-5AL48 (regulator only), 325-5AL600 (regulator only)	\$35

GAS APPLIANCE REGULATORS 210 SERIES



The 210 series is a lock-up type regulator and complies with codes using this specification. The 210 series has been designed for maximum control function in an easy to use package. The series is intended for use with gas-fired boilers, steam generators, industrial furnaces, ovens, and similar high demand equipment. When selecting pipe size, make sure regulator is not more than one size smaller or larger than manifold pipe size. Gas flow must be oriented to arrow on the bottom casting. At exposures to maximum emergency levels, the regulator will suffer no internal damage, but it may provide accurate regulation. See Maxitrol's "Spring Chart" for complete selection of spring ranges on all models.

Part No	Illustration Number	Swing Radius	Maximum Inlet Pressure	Emergency Exposure Limits	Ambient Temperature Limits	Mounting	Price
210D-1	1	5 7/16	10 psi	25 psi	- 40° to 200° F	Upright Only.	\$670
210E-2	1	8 5/16	10 psi	25 psi	- 40° to 200° F	Upright Only.	\$1,245

SPRING



Part No	Color Code	Outlet Pressure	ID	Length	Price
R325C10-412	Violet	4.0- 12	5/8	1-3/4	\$18
R325E10-412	Violet	4.0- 12	3/4	3-1/8	\$20
R8110.1022	Red	10 to 22	7/8	4-5/16	\$45
R8110.412	Violet	4.0- 12	7/8	3-3/4	\$15
R8110.512	Blue	5.0 to 12	7/8	4-1/16	\$25

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INSTALLATION ACCESSORIES

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MAXITROL GAS REGULATORS

MISCELLANEOUS - ACCESSORY ITEMS

Part No	Description	Price
13A15	Vent Protector - for Outdoor Applications on 325-3, 325-3L (1/8" NPT Vent)	\$15
KVOP-4	Vent Dampener Used on a 325-7	\$8
SK750	Vent Dampener Used on a 325-5A, 325-5AL	\$23

MISCELLANEOUS KITS AND PARTS

Part No	Description	Used On	Price
KT/M420B2	Modulator Head, Gasket, Plunger And Fasteners	MR212, D, E, G	\$438

SERIES 14 ELECTRONICS



Selectra Series 14 electronic gas flame modulation systems are designed primarily for make-up air heating, as components of direct fired equipment. They may be field installed on existing equipment or specified for new equipment installation. All fuel gases are compatible.

Part No	Remote Temp Selectors	Temp	Price
TD114	TD114	55° - 90°F	\$298

SERIES 21 SINGLE ELECTRONICS UNIT



Selectra Series 21 electronic gas flame modulation systems are designed primarily for make-up air heating as components of indirect fired units with atmospheric burners. Series 21 is designed for single furnace operation, and the Series 31 is capable of handling up to four furnaces. They may be field installed on existing equipment or specified for new equipment installation.

Temp					
Part No	Sensors/Used W/Mixing Tubes	Base Model	Remote Temp Selectors	Temp	Price
A1010B		W/ High Fire Ignition			\$520
TD121			TD121	55° - 90°F	\$283
TS121	TS121			55° - 90°F	\$218

SERIES 44 ELECTRONICS



Selectra SERIES 44 electronic gas flame modulation systems are designed primarily for space heating, as components of direct fired equipment. They may be field installed on existing equipment or specified for new equipment installation. All fuel gases are compatible. Series 44 system uses Modulator or Modulator-Regulator valves. Please see Maxitrol Bulletin MT2035-10/02 for M/MR valve selection and application table.

Part No	Temperature	Price
TS244	Space Temp 55° - 90°F	\$228

INSTALLATION ACCESSORIES

INSTALLATION ACCESSORIES

TITFLEX FLEXIBLE GAS PIPE

FLEXIBLE GAS TUBING



- Flexibility means quick and easy installations. Gastite installs 30-70% faster than traditional piping methods.
- Pre-marked by the foot - no measuring, rigid pipe cutting or threading - that means less waste and fewer fittings.
- 75% fewer fittings in the average installation means a safer system, less leak potential and reduced callbacks.
- Product is lightweight - 250 feet of 1/2" CSST weighs approximately 35 lbs. - and can be easily transported and handled on the job.
- No special tools required.
- Recognized and approved by model building codes throughout North America.
- Every inch of piping is fully inspected and pressure-tested.
- Availability - vast stock in our nationwide network of warehouses ensures on-time delivery of orders.

Part No	Description	Size	Price
PIPE-12-250	Flexible gas tubing	1/2 x 250	\$1,048
PIPE-1-150	Flexible gas tubing	1 x 150	\$1,163
PIPE-34-150	Flexible gas tubing	3/4 x 250	\$1,363

XR SERIES COUPLING FITTINGS



- Tool-less flare design; no special tools are required.
- Metal-to-metal seal, with no split rings, O-rings or gaskets.
- Self-guiding assembly to ensure a perfectly even flare.
- Exclusive, patented Jacket-Lock, fitting eliminates exposed stainless steel beyond the nut.
- All components are fully re-useable.

Part No	Description	Pkg Qty	Price
CPLG-1	1" Coupling	10/box	\$80
CPLG-114	1-1/4" Coupling	25/box	\$180
CPLG-12	1/2" Coupling	50/box	\$38
CPLG-34	3/4" Coupling	12/box	\$53
STRT-1	1" Straight Fitting - 1" NPT	12/box	\$43
STRT-1/2	1/2" Straight Fitting - 1" NPT	24/box	\$23
STRT-114	1-1/4" Straight Fitting - 1" NPT	6/box	\$90
STRT-3/4	3/4" Straight Fitting - 1" NPT	24/box	\$30
STRT-3/8	3/8" Straight Fitting - 1" NPT	24/box	\$20

XR SERIES TEE FITTING



- Tool-less flare design; no special tools are required.
- Metal-to-metal seal, with no split rings, O-rings or gaskets.
- Self-guiding assembly to ensure a perfectly even flare.
- Exclusive, patented Jacket-Lock, fitting eliminates exposed stainless steel beyond the nut.
- All components are fully re-useable.

Part No	Description	Pkg Qty	Price
TEE-12	1/2" Tee	12/box	\$58
TEE-34	3/4" Tee	12/box	\$78
TEE-341212	3/4" x 1/2" x 1/2"	12/box	\$75
TEE-343412	3/4" x 3/4" x 1/2"	12/box	\$83

TITEFLEX FLEXIBLE GAS PIPE

XR SERIES TERMINATION FITTING (FLANGE/ADAPTER/BUSHING)



- Tool-less flare design; no special tools are required.
- Metal-to-metal seal, with no split rings, O-rings or gaskets.
- Self-guiding assembly to ensure a perfectly even flare.
- Exclusive, patented Jacket-Lock, fitting eliminates exposed stainless steel beyond the nut.
- All components are fully re-useable.

Part No	Description	Pkg Qty	Price
XRTRM-16-6	1" Term. Fitting-Cast Flange - 1" NPT	6/box	\$48
XRTRM-16-6G	1" Term. Fitting-Galvanized Flange - 16" NPT	6/box	\$50
XRTRM-8-12	1/2" Term. Fitting-Cast Flange - 1/2" NPT	12/box	\$30
XRTRM-8-12CB	1/2" Term. Fitting-Bronze Flange - 1/2" NPT	12/box	\$33

MULTI-PORT CAST MANIFOLDS



- Coated 4 Port - Welded IPS Schedule 40 pipe.
- Cast 3, 4, and 5 Port - ASTM A47 32510 Malleable Iron.

Part No	Description	Pkg Qty	Price
4-PORTMAN	Cast 4 port w/PT Port - 3/4"F x 3 1/2"F x 1/2"F	1 ea	\$48
5-PORTMAN-1	Cast 5 port w/PT Port - 3/4"F x 1 3/4"F x 4 1/2"F x 1"F	1 ea.	\$58

MODULAR STUB SYSTEM

STRAIGHT STUBS OPTIONAL BRACKETS



- Reduces the number of joints in the system where contractors typically fabricate "stub-outs" from rigid pipe nipples, elbows and couplings.
- Provides a fixed-point termination for installations where the appliances are not yet installed.
- Creates a more polished look to the overall installation.

Part No	Description	Pkg Qty	Price
3/4X12STUB-10	3/4"M x 12"L Straight Stub	10/box	\$25
3/4X6STUB-10	3/4"M x 6"L Straight Stub	10/box	\$25

XR-APPLIANCE STUB-OUTS



- Reduces the number of joints in the system where contractors typically fabricate "stub-outs" from rigid pipe nipples, elbows and couplings.
- Provides a fixed-point termination for installations where the appliances are not yet installed.
- Creates a more polished look to the overall installation.

Part No	Description	Pkg Qty	Price
XR-APSTUB-8-10	1/2"M x 1/2"M x 1-1/2" Stub Length With 1/2" Female Fitting	10/Box	\$43

MOUNTING HARDWARE

RECESSED GAS OUTLET BOX KIT



XRROUTLETBOX - Ball Valve ANSI Z21.15 or ANSI/ASME B16.33.

Part No	Description	Pkg Qty	Price
XRROUTLETBOX-8	Recessed Gas Outlet Box Kit With 1/2" XR Fitting	1 kit	\$70

INSTALLATION ACCESSORIES

TITEFLEX FLEXIBLE GAS PIPE

MOUNTING HARDWARE

TERMINATION BRACKET



MBRACE-1 Mounting Kit made of 16 gauge galvanized sheet metal. Fits 3-PORMAN, 4-PORMAN, 5-PORMAN and 111596-08. MBRACE-3 Mounting Kit made of 14 gauge galvanized sheet metal. Fits 5-PORMAN-1, 5-PORMAN-2, 5-PORMAN-3 and 4-PORMAN-2.

Part No	Description	Pkg Qty	Price
MBRACE-1	Manifold Mounting Kit - Fits 3-PORMAN, 4-PORMAN, 5-PORMAN, 111596-08.	10/box	\$25

PROTECTION DEVICES – STRIKER PLATES & SILICONE TAPE

STRIKER PLATES



Striker Plates - 16 gauge AISI1050 Carbon Steel Hardened to Rc 45

Part No	Description	Pkg Qty	Price
STRK3X2	Quarter Striker Plate - 3" x 2"	100/box	\$3
STRK-3X7	Half Striker Plate - 3" x 7"	50/box	\$5

QUICK CONNECT AND ACCESSORIES



Application

- Ball Valves are used to control gas flow to appliances and pounds-to-inches regulator.
- Quick-connect valve and accessories provide a safe and easy "quick-connect" for barbecue grills, space heaters and decorative lighting.

Material / Specification

- Ball Valve - ANSI/ASME B16.33.
- Quick Connect and Accessories - ANSI Z21.15, CAN 9.1,9.2, 6.9 and AGA/CGA 7-90/CR94-001.

Part No	Description	Pkg Qty	Price
OUTFLEX-3/8	Outdoor Flex Connector - 3/8" NPT x 12'	1 ea.	\$68
QCE-BOX	Plastic Box & Grommets	1 ea.	\$18
QCKIT-1/2	1/2" Quick Connect Kit (Valve-Bracket-Elbow-Cover)	1 ea.	\$268
QCOUTLET-1/2	1/2" Quick Connect Kit (Valve-Bracket-Elbow)	1 ea.	\$168
T103029	1/2" Quick Connect Valve	1 ea	\$103

WEISS INSTRUMENTS

HOT WATER BIMETAL DIAL THERMOMETERS



Weiss' most economical offering in the dial thermometers is ideal for a number of general heating applications including small pipelines. Both units are furnished with 1/2" NPT brass removable socket.

Part No	Description	Range	Size	Price
HWBM25-250	Hot Water Bimetal	32-250 F&C	2-1/2"	\$28

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INSTALLATION ACCESSORIES

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WEISS INSTRUMENTS

INDUSTRIAL GLASS THERMOMETERS

THERMOWELL



Part No	Range	Price
E35-75BS	3/4"NPT 31/2" Socket	\$18

THERMOMETER, VARI - ANGLE



Part No	Range	Price
9VU35-240	30-240F&C	\$85

INDUSTRIAL PRESSURE GAUGES



The Weiss Series 088 Gauges are ideal for use on boilers, compressors, pumps, and any industrial applications that require a heavy duty internal gauge. Our 4 1/2" case styles have a glass window, solid back with safety blow out disc standard. Available in three case styles - Style E: Phenolic Turret, Style B: Aluminum Back Flange and Style N: Aluminum No Flange, all have 1/4" NPT lower mount connection. Optional 1/2" NPT available.

Part No	Range	Graduations	Price
4CTSP-30	0-30	0.2	\$40

SIX INCH HOT WATER THERMOMETERS

ANGLE FORM



The Weiss 6" Hot Water Thermometer is our most economical offering in industrial glass thermometers. The unit features components of non-corrosive materials and its compact design and excellent readability makes the HW Series ideal for a variety of general purpose applications. Typical applications include small pipe lines, residential and commercial boilers, solar heating systems.

Scale - White coated aluminum with permanently baked black markings.

Part No	Scale Length	Tube	Case	Range	Connection	Price
HW5A2-260	5 1/2"	Magnifying Red Liquid.	Molded V-shaped GE Valox in gray textured finish.	40-260°F 2°div. and 5-125°C 1°div.	Brass 1/2" NPT	\$38

STRAIGHT FORM



Part No	Scale Length	Tube	Case	Range	Connection	Price
HW5S2-260	5 1/2"	Magnifying Red Liquid.	Molded V-shaped GE Valox in gray textured finish.	40-260°F 2°div. and 5-125°C 1°div.	Brass 1/2" NPT	\$33

INSTALLATION ACCESSORIES

HVAC DISTRIBUTORS INC

INSTALLATION ACCESSORIES

Call or visit one of our 4 locations.

WEISS INSTRUMENTS

TEST PLUGS & ACCESSORIES



Weiss Temperature/Pressure Plugs allows for quick, efficient and accurate testing of hydronic pipe lines throughout HVAC systems. Offered in both norden (blue cap) for hot and chilled water and neoprene (red cap) for natural gas, Weiss plugs are consistently rated at 1000 PSI. The self-sealing core insures long life and continuous service

Part No	Npt Size	Body & Cap	Plug Core	Max Temp	Price
BP50-NP	1/2"	Brass	Neoprene	200 F	\$10

GAUGE ADAPTOR



Part No	Description	Price
GA18	Gauge Adaptor With 1/8" 304ss Probe (Probe Guard Included)	\$43

LUXAIRE EQUIPMENT

COMMERCIAL

PACKAGED UNITS

GAS/ELECTRIC

D*UC SERIES



The DUC units are convertible single package air conditioners with a common cabinet and a common roof curb for the 3, 4, 5 and 6 ton sizes. The units were designed for residential, light commercial and commercial applications. They can easily be installed on a roof curb, slab, roof jack or frame. All units are self-contained and assembled on rigid full perimeter base rails with fork lift slots on three sides and holes for overhead rigging. Every unit is completely piped, wired, charged and tested at the factory to provide for a quick and easy field installation. The units are available in cooling only, and cooling with gas heat. Electric heaters are available as field-installed accessories. The cabinet is constructed of galvanized steel, painted with long lasting, durable, and aesthetically pleasing power paint. Paint finish meets 750 hour salt spray tests per ASTM-B117 standards. All models include a 5-year limited warranty on scroll compressors and electric heating elements, a 10-year limited warranty on gas-fired heat exchangers and a 1-year limited warranty on all replacement parts.

FEATURES

COMMON FOOTPRINT/COMMON CABINET - All model sizes and configurations share a common cabinet and a common roof curb. The installer has the flexibility of setting one curb and placing the proper tonnage unit on that curb after the internal load has been determined. He can even decide between gas or electric heat after the curb has been set.

HIGH EFFICIENCY - All units have a high cooling efficiency, and gas / electric models have a minimum AFUE of 80%. All efficiencies exceed legislated minimum levels and provide low operating costs.

CONVERTIBLE AIRFLOW DESIGN - Both the side and bottom duct openings are covered when they leave the factory. If a side supply / side return is desired, you simply remove the two side duct covers from the outside of the unit and discard them. If a bottom supply / bottom return is desired, you simply remove the two knockout panels from the base of the unit and discard them. No panel cutting or swapping is required! Convertible airflow design allows maximum field flexibility and minimum inventory. Economizers may be used on either bottom and side duct applications with no modifications required.

FACTORY-INSTALLED OPTION - Adjustable belt-drive blower is available on all models from the factory to provide maximum air flow flexibility.

FIELD-INSTALLED ACCESSORIES - Accessories were designed for quick and easy installation. The motorized damper and economizers simply slide in, and electrical connections are made by modular plugs. Electric heaters mount easily, and knockouts are provided in the internal partitions to connect the elements to the control box single point kit. The motorized air damper includes a slid-in/plug-in damper assembly with a rainhood and filters. The outdoor air dampers open when the indoor fan motor is energized. The damper is capable of providing 0% through 100% of outdoor return air opening

Part No	Clg Tons	BTU Input	Voltage	Wt	Economizer	Power Exhaust	Manual O.A. Damper	Curb	Price
D*UC-T036N050	3	50,000	208-230/ 3	575	2EE04703724	2PE04703025	1FA0403	1RC0434	\$3,942
D*UC-T048N075	4	75,000	208-230/ 3	625	2EE04703724	2PE04703025	1FA0403	1RC0434	\$4,358
D*UC-T060N100	5	100,000	208-230/ 3	650	2EE04703724	2PE04703025	1FA0403	1RC0434	\$5,180
D*UC-T060N125	5	125,000	208-230/ 3	660	2EE04703724	2PE04703025	1FA0403	1RC0434	\$5,294

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

COMMERCIAL

PACKAGED UNITS

GAS/ELECTRIC

DW SERIES



DESCRIPTION

DW 13 SEER units are convertible single package air conditioners with a common cabinet and a common roof curb for the 3, 4 and 5 ton sizes. The units were designed for light commercial and commercial applications. They can easily be installed on a roof curb, slab, roof jack or frame.

FEATURES

- Powder Paint finish that meets ASTM-B-117 1000 hour salt spray standards
- Permanently lubricated motors
- Bottom or side air discharge configuration capability (field convertible)
- Manufactured under the quality standards of ISO9001
- Simplicity® Control Board
- Copper tube/aluminum fin coils
- Easy access to all components
- Rigging holes in base rails for lifting
- Fork lift slots on three sides
- Single point power connection
- Complete factory package - tested, charged and wired
- Belt Drive Indoor Blower
- CSA agency listing on all units

WARRANTY

- Factory Limited Parts Warranty
- One-year parts warranty
- A Five-year parts warranty on the compressor and electric heat elements.
- Ten-year parts warranty on the gas-fired heat exchangers.

Part No	Clg Tons	BTU Input	Voltage	Wt	Economizer	Power Exhaust	Manual O.A. Damper	Curb	Price
DW-03N11NF AAA*	3	110,000	208-230/1	575	2EE04703724	2PE04703025	1FA0403	1RC0434	\$7,758
DW-04N13NF AAA*	4	130,000	208-230/1	635	2EE04703724	2PE04703025	1FA0403	1RC0434	\$9,202
DW-05N13NF AAA*	5	130,000	208-230/1	660	2EE04703724	2PE04703025	1FA0403	1RC0434	\$10,361

DS SERIES



DESCRIPTION

ASHRAE 90.1 COMPLIANT

Unitary Products Group DS units are convertible single packages with a common footprint cabinet and common roof curb for all 6-1/2 through 10 ton models. All units have two compressors with independent refrigeration circuits to provide 2 stages of cooling. The units were designed for light commercial applications and can be easily installed on a roof curb, slab, or frame. All DS units are self-contained and assembled on rigid full perimeter base rails allowing for 3-way forklift access and overhead rigging. Every unit is completely charged, wired, piped, and tested at the factory to provide a quick and easy field installation. All units are convertible between side and down airflow. Independent economizer designs are used on side and down discharge applications, as well as all tonnage sizes. DS units are available in the following configurations: cooling only, cooling with electric heat, and cooling with gas heat. Electric heaters are available as factory-installed options or field installed accessories.

Part No	Clg Tons	BTU Output	Voltage	Wt	Economizer	LP Kit	Manual O.A. Damper	Curb	Price
DS-06N18BT AAA*	6.5	180,000	208-230/3	1104	included	1NP0442	1FA0411	1RC0471	\$12,115
DS-07N18BT AAA*	7.5	180,000	208-230/3	1214	included	1NP0442	1FA0411	1RC0471	\$13,936
DS-08N18BT AAA*	8.5	180,000	208-230/3	1288	included	1NP0442	1FA0411	1RC0471	\$15,323
DS-10N18PT AAA*	10	180,000	208-230/3	1322	included	1NP0442	1FA0411	1RC0471	\$17,695
DS-10N18PW AAA*	10	180,000	460/3	1322	included	1NP0442	1FA0411	1RC0471	\$17,867

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LUXAIRE EQUIPMENT

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COMMERCIAL

PACKAGED UNITS

GAS/ELECTRIC

DU SERIES



DESCRIPTION

DU units are convertible single package high efficiency roof-tops. All models have independent dual refrigerant circuits for efficient part load operation. Although the units are primarily designed for curb mounting on a roof, they can also be slab-mounted at ground level or set on steel beams above a finished roof. All units include: • Powder Paint finish that meets ASTM-B-117 1000 hour salt spray standards • Two-stage cooling provided by dual independent refrigeration circuits with expansion valves, filter-driers, high and low pressure/loss of charge switches and freeze-stats • Hermetically sealed scroll compressors with crankcase heaters • Two-stage heating provided by dual independent heat exchangers with aluminized steel tubes, redundant gas valves, spark ignition with induced draft logic • Permanently lubricated motors • Bottom or side air discharge configuration capability (field convertible) • Belt Drive Blower Motor • Manufactured under the quality standards of ISO9001 • Twenty-four volt control circuit with compressor lock-out • Zero-25% fixed air damper with hood • Copper tube/aluminum fin coils • Easy access to all components • Rigging holes in base rails for lifting • Single point power connection • Complete factory package - tested, charged and wired • CSA agency approvals on all units

WARRANTY • Factory Limited Parts Warranty • One-year parts warranty • A Five-year parts warranty on the compressor and electric heat elements. • Ten-year parts warranty on the gas-fired heat exchangers

Part No	Clg tons	BTU Output	Voltage	Wt	Economizer	LP Kit	Power Exhaust	Curb	Price
DU-12N24PTAAA*	12.5	240,000	208-230/3	1405	included	1NP0442	2PE04703225	1RC0471	\$23,040
DU-12N24PWAAA*	12.5	240,000	460/3	1405	included	1NP0442	2PE04703225	1RC0471	\$23,209
DU-15N30BTAAA*	15	300,000	208-230/3	2100	included	1NP0418	2PE04703525	1RC0436	\$27,527
DU-15N30BWAAA*	15	300,000	460/3	2100	included	1NP0418	2PE04703525	1RC0436	\$27,727
DU-20N40BTAAA*	20	400,000	208-230/3	2340	included	1NP0418	2PE04703525	1RC0437	\$35,561
DU-20N40BWAAA*	20	400,000	460/3	2340	included	1NP0418	2PE04703525	1RC0437	\$35,760

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

COMMERCIAL

PACKAGED UNITS

GAS/ELECTRIC

DYP SERIES



FLEXIBLE LIGHT COMMERCIAL UNIT

DESCRIPTION

DYP package units are designed to handle applications ranging from residential to light commercial and any in between. The DYP is a unit that gives you the flexibility and choices you need in today's market.

FEATURES

Factory mounted TXV. Low profile. Quiet operation. Common footprint. Optional slide in motorized damper. Optional slide in economizers. LP convertible. Full perimeter base rails. Bottom and side utility connections. 1" or 2" cleanable filters standard on all 3-phase models, optional on single phase models.

- WARRANTY - 1 PHASE • 10 year compressor • 20 year heat exchanger • 5 year other parts
- WARRANTY - 3 PHASE • 5 year compressor • 10 year heat exchanger • 1 year other parts

Part No	Clg tons	BTU Output	Voltage	Ref	S.E.E.R	Wt	LP Kit	Manual O.A. Damper	Curb	Filter Frame Kit	Price
D*YP-F024N045	2	45,000	208-230 /1	R22	13	365	1NP0805	1FA0406	1RC0463	1FF0110	\$4,010
D*YP-F030N070	2-1/2	70,000	208-230 /1	R22	13	395	1NP0805	1FA0406	1RC0463	1FF0110	\$4,373
D*YP-F036N070	3	70,000	208-230 /1	R22	13	400	1NP0805	1FA0406	1RC0463	1FF0110	\$4,802
D*YP-T048N110	4	110,000	208-230 /3	R22	13	475	1NP0805	1FA0406	1RC0463	N/A	\$6,975
D*YP-T060N135	5	135,000	208-230 /3	R22	13	485	1NP0805	1FA0406	1RC0463	N/A	\$7,684

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

COMMERCIAL

PACKAGED UNITS

HEAT PUMPS

BUP SERIES



DESCRIPTION

These packaged heat pumps are designed for outdoor installation. Only utility and duct connections are required at the point of installation. Field-installed electric heater accessories are available to provide electric heat, if required.

STANDARD FEATURES

OPERATING EFFICIENCY

All units provide high operating efficiencies of 13 SEER, 3.3 COP or greater, and 7.6 HSPF. All efficiencies exceed legislated minimum levels.

ON SITE FLEXIBILITY

All model sizes share a common, compact design cabinet with a single footprint. The installer has the flexibility of setting one curb or pad and placing the proper tonnage unit after the internal load has been determined. Field convertible duct connections, from side shot to down shot, allows the installer greater flexibility and the need to carry less inventory.

LOWER INSTALLATION COST

Installation time and costs are reduced by easy power and control wiring connections. The small base dimension means less space is required on the ground or roof. Plus, the installer can fit this unit between the wheel wells of full size pick-up truck. All models are under 500 pounds. All units are completely wired, charged with R-22 and tested prior to shipment. Unique test stations, are used to

insure product quality. Refrigerant charge, and component part numbers are verified via computers at manufacturing point. Vital run test statistics, such as, system pressure, motor currents, air velocity and temperature unit vibration are monitored and recorded by the system to insure unit performance. Equal size, side supply and return duct connections allow easy hook-up of ducts to match low crawl spaces without transition pieces.

UTILITY CONNECTIONS MADE EASY

Electrical utility knockouts are provided through the bottom, as well as the side of the unit. Utility connections can be made quickly and with a minimum amount of field labor. A field supplied and field installed electrical disconnect switch must be installed.

CONVERTIBLE AIRFLOW DESIGN

The bottom duct openings are covered when they leave the factory. They are ready for a side supply / side return application. If a bottom supply / bottom return application is desired, you simply remove the two panels from the bottom of the unit and place them in the side supply / side return duct openings. No panel cutting is required and no accessory panel is necessary. Convertible airflow design allows maximum field flexibility and minimum inventory.

Part No	Clg tons	Net Htg Capacity	Voltage	Ref	SEER	Wt	Manual O.A. Damper	Curb	Filter Frame Kit	Price
B*UP-F024A	2	21.8 MBH @ 47F	208-230/1	R22	13	334	1FA0406	1RC0463	1FF0114	\$4,067
B*UP-F030A	2-1/2	28.2 MBH @ 47F	208-230/1	R22	13	336	1FA0406	1RC0463	1FF0114	\$4,165
B*UP-F036A	3	32 MBH @ 47F	208-230/1	R22	13	341	1FA0406	1RC0463	1FF0114	\$4,541

COMMERCIAL INSTALLATION ACCESS**LUXAIRE****CURBS**

Part No.	Description	Price
1RC0434	ROOF CURB	\$355
1RC0436	ROOF CURB	\$731
1RC0437	ROOF CURB	\$823
1RC0463	ROOF CURB	\$352
1RC0471	ROOF CURB	\$619
1RC0472	ROOF CURB	\$2,104

ECONOMIZERS

Part No.	Description	Price
2EE04703724	ECONOMIZER	\$1,277
2EE04705324	ECONOMIZER	\$1,621
2EE04705424	ECONOMIZER	\$1,957
2EE04705524	ECONOMIZER	\$1,957

FILTER FRAME KIT

Part No.	Description	Price
1FF0110	FILTER FRAME KIT	\$91
1FF0114	FILTER FRAME KIT	\$304

LP KITS

Part No.	Description	Price
1NP0349	LP KIT	\$67
1NP0418	LP KIT	\$126
1NP0442	LP KIT	\$221
1NP0805	LP KIT	\$70

ODA DAMPERS

Part No.	Description	Price
1FA0403	ODA DAMPER	\$120
1FA0406	ODA DAMPER	\$149
1FA0411	ODA DAMPER	\$260

POWER EXHAUST

Part No.	Description	Price
2PE04703025	POWER EXHAUST	\$2,503
2PE04703225	POWER EXHAUST	\$2,550
2PE04703425	POWER EXHAUST	\$2,550

PLENUMS INC**BURGLAR BAR INSERTS**

Features: • Heavy gauge galvanized steel frame construction. • Welded with 1/2" thick H.R.S. bars 8" on center. •

Shipped fully assembled **Options:** • 3/4" CRS **Burglar Bars.** • 4" or 6" on center spacing. • Flex duct collars.

Numerous models available. Call for pricing.



Part No.	Description	Price
BBYC-Custom	Burglar Bar Inserts	Call for Price

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COMMERCIAL ACCESSORIES

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PLENUMS INC

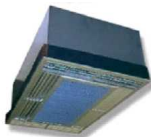
DROP BOX CONCENTRIC CONVERTER



Features: • Bottom section painted off white. • Sheet metal construction. • Internally insulated. • Shipped assembled. • Aluminum double deflection grilles, painted off white. • Available up to 40 tons. **Options:** • Filtered return air, 5 tons or below. • Square or rectangular duct connections. • Flexible duct. **Numerous models available. Call for pricing.**

Part No.	Description	Price
YFD-DB	Drop Box W/ Alum Supply Grilles	Call for Price

FLUSH MOUNT CONCENTRIC CONVERTER



Features: • Galvanized steel construction. • Diffuser-aluminum color finish. • Egg crate return. • Available up to 25 tons. **Options:** • Square or rectangular duct connections. • Painted off white. • Flexible duct. **Numerous models available. Call for pricing.**

Part No.	Description	Price
YFD	Flush Mount W/Fixed Blades	Call for Price

COMMERCIAL INSTALLATION ACCESS

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LUXAIRE EQUIPMENT

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GAS FURNACES

80%

SINGLE STAGE

GY8S



DESCRIPTION

This mid-high efficiency, compact unit employs induced combustion, reliable hot surface ignition and high heat transfer tubular heat exchangers. The unit is factory shipped for installation in upflow or horizontal applications. This furnace is designed for residential and commercial applications. The unit is factory assembled, wired and tested to assure safe dependable and economical installation and operation. The unit is Category I listed and may be common vented with another gas appliance as allowed by the National Fuel Gas Code.

WARRANTY

20-year limited warranty on the heat exchanger. 10-year heat exchanger warranty on commercial applications. 5-year limited parts warranty.

FEATURES

• Easily applied in upflow, horizontal left or horizontal right installation with no conversion necessary • Electronic hot surface ignition with high reliability and dependability • 100% shut off main gas valve for added safety • Rollout safety control • Large belt-drive blower for high CFM and static capability • 1-1/2 HP ball bearing motor • Reliable hot surface igniter • High quality inducer motor for quiet operation. Standard terminals for controlling humidifiers and EAC's or other commercial application requirements • 40 VA control transformer fuse protected • Easy to connect power and control wiring • Efficiency ratings of 78 AFUE attained by using tubular heat exchangers • Cooling relay supplied for easy installation of add-on cooling • Adjustable fan-off settings to eliminate "cold-blow" • Compact 43-1/2 in. height allows installation in small space confines • Equipped with timer relay providing motor protection if operated on continuous blower or if unit is "twinned" • 208/230 volt operation, convertible for 115 volt • Model is propane convertible • Attractive pre-paint finished steel cabinet for durability and corrosion resistance.

Part No	Description	BTU Input	BTU Output	Brkr Sz	CFM	Wt	Vent(in)	LP Kit	Dimensions	Voltage	Price
GY8S160E30UH21	Upflow/Horiz	160,000	130,000	20	3500	248	5	1NP0349	32-1/4 x 28-1/2 x 43-1/2	208-230/1	\$3,112

LUXAIRE EQUIPMENT

GAS FURNACES

80%
SINGLE STAGE



DESCRIPTION

These high efficiency, compact units employ induced combustion, reliable hot surface ignition and high heat transfer tubular heat exchangers. The units are factory shipped for installation in upflow or horizontal applications. These furnaces are designed for residential installation in a basement, closet, alcove, attic, recreation room or garage and are also ideal for commercial applications. All units are factory assembled, wired and tested to assure safe dependable and economical installation and operation. These units are Category I listed and may be common vented with another gas appliance as allowed by the National Fuel Gas Code.

WARRANTY

20-year limited warranty on the heat exchanger. 10-year heat exchanger warranty on commercial applications. 5-year limited parts warranty.

FEATURES

• Easily applied in upflow, horizontal left or horizontal right installation with no conversion necessary • Electronic hot surface ignition with high reliability and dependability • 100% shut off main gas valve for added safety • Rollout safety control • Low unit amp requirement for easy application • High quality inducer motor for quiet operation • Built-in self diagnostics with fault code display • High velocity filter provided for field installation • Standard terminals for controlling humidifiers and EAC's • 40 VA control transformer fuse protected • Easy to connect power and control wiring • Efficiency ratings of 80 AFUE attained by using tubular heat exchangers • Cooling relay supplied for easy installation of add-on cooling • Multi-speed PSC, direct-drive blower motors to match cooling requirements • Adjustable fan-off settings to eliminate "cold-blow" • Compact 40-in height allows installation in small space confines • All furnaces in this line are 28-1/2" deep.

Part No	Description	BTU Input	BTU Output	Brkr Sz	Nominal CFM	Weight	Vent Size	LP Kit	Width	Price
GM8S040A12UH11	Upflow	40,000	32,000	20	3 ton	95	4	1NP0347	14	\$1,042
GM8S060A12UH11	Upflow	60,000	48,000	20	3 ton	110	4	1NP0348	14	\$1,132
GM8S080A12UH11	Upflow	80,000	64,000	20	3 ton	120	4	1NP0347	14	\$1,196
GM8S080B16UH11	Upflow	80,000	64,000	20	4 ton	120	4	1NP0347	17-1/2	\$1,246
GM8S100B12UH11	Upflow	100,000	80,000	20	3 ton	120	4	1NP0347	17-1/2	\$1,260
GM8S100B16UH11	Upflow	100,000	80,000	20	4 ton	120	4	1NP0347	17-1/2	\$1,296
GM8S100C20UH11	Upflow	100,000	80,000	20	5 ton	120	4	1NP0347	21	\$1,348
GM8S115C16UH11	Upflow	115,000	92,000	20	4 ton	120	4	1NP0348	21	\$1,408
GM8S115C20UH11	Upflow	115,000	92,000	20	5 ton	120	4	1NP0348	21	\$1,457
GM8S130D20UH11	Upflow	130,000	104,000	20	5 ton	120	4	1NP0348	24-1/2	\$1,550

LUXAIRE EQUIPMENT

GAS FURNACES

90%

SINGLE STAGE



DESCRIPTION

These Category IV, highly efficient, compact, condensing type furnaces are designed for residential and commercial installations in a basement, closet, alcove, recreation room or garage where the ambient temperature is above 32°F, or higher. They may be either side wall or thru-roof vented using approved plastic type combustion air and vent piping. All units are factory assembled, wired and tested to assure dependable and economical installation and operation.

WARRANTY

Lifetime limited warranty on both heat exchangers to the original purchaser; a 20-year limited warranty from original installation date to subsequent purchaser. 10-year warranty on the heat exchanger in commercial applications. 5-year limited parts warranty.

FEATURES

• Compact, easy to install, ideal height 40" cabinet • Blower-off delay for cooling SEER improvement. • Easy to connect power/control wiring • Built-in, high level self diagnostics with fault code display. • Low unit amp requirement for easy replacement application. • Integrated control module for reliable, economical operation. • May be installed as either two-pipe (sealed combustion) or single pipe vent (using indoor combustion air) • Top intake & vent connection allows installation in narrow locations. • Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability. • Induced combustion system with inshot main burners for quiet, efficient operation. • No special vent termination kit required. • 100% shut off main gas valve for extra safety. • PSC -four speed, direct drive motor with large, quiet blower • 24V, 40 VA control transformer and blower relay supplied for add-on cooling. • Hi-tech tubular aluminized steel primary heat exchanger •Secondary (condensing) heat exchanger of 29-4C highgrade stainless steel. • Timed on, adjustable off blower capability for maximum comfort. • Solid removable bottom panel allows easy application. • Easy access from front of unit for cleaning, maintenance or service. • Protection from intake, exhaust or condensate blockage. • High velocity filter provided for field installation. • Side return filter rack provided for field installation. All furnaces in this line are 28-1/2" deep.

LUXAIRE EQUIPMENT

Part No	Description	BTU Input	BTU Output	Brkr Sz	Blo wer	Weight	Ven t(in)	LP Kit	Width	Price
GM9S040A12DH11	Downflow/Horiz	40,000	37,000	20	3 ton	139	2	1NP0347	14	\$1,698
GM9S040A12UP11	Upflow	40,000	37,000	20	3 ton	139	2	1NP0347	14	\$1,416
GM9S060B12DH11	Downflow/Horiz	60,000	55,000	20	3 ton	140	2	1NP0347	17-1/2	\$1,752
GM9S060B12UP11	Upflow	60,000	55,000	20	3 ton	140	2	1NP0347	17-1/2	\$1,456
GM9S080B12DH11	Downflow/Horiz	80,000	75,000	20	3 ton	155	2	1NP0347	17-1/2	\$1,834
GM9S080B12UP11	Upflow	80,000	75,000	20	3 ton	155	2	1NP0347	17-1/2	\$1,498
GM9S080C16DH11	Downflow/Horiz	80,000	75,000	20	4 ton	165	2	1NP0347	21	\$1,914
GM9S080C16UP11	Upflow	80,000	75,000	20	4 ton	165	2	1NP0347	21	\$1,648
GM9S080C20UP11	Upflow	80,000	75,000	20	5 ton	177	2	1NP0347	21	\$1,665
GM9S100C16DH11	Downflow/Horiz	100,000	96,000	20	4 ton	175	2	1NP0347	21	\$1,997
GM9S100C16UP11	Upflow	100,000	96,000	20	4 ton	175	2	1NP0347	21	\$1,682
GM9S100C20DH11	Downflow/Horiz	100,000	95,000	20	5 ton	182	2	1NP0347	21	\$2,086
GM9S100C20UP11	Upflow	100,000	95,000	20	5 ton	182	2	1NP0347	21	\$1,710
GM9S120D20DH11	Downflow/Horiz	120,000	112,000	20	5 ton	190	3	1NP0347	24-1/2	\$2,258
GM9S120D20UP11	Upflow	120,000	112,000	20	5 ton	190	3	1NP0347	24-1/2	\$1,812
GM9S135D20UP11	Upflow	135,000	124,000	20	5 ton	198	3	1NP0347	24-1/2	\$1,920

ACCESSORIES

Accessory pricing is at the end of the Luxaire equipment section.

Twinning Control	Humidistat	2" Concentric Vent	3" Concentric Vent	Condensate Neutralizer Kit	Price
2TC03700124	2HU16700124	1CT0302	1CT0303	1NK0301	\$464

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GAS FURNACES

92% ACCLIMATE

SINGLE STAGE



DESCRIPTION

These Category IV, highly efficient, compact, condensing type furnaces are designed for residential and commercial installations in a basement, closet, alcove, recreation room or garage where the ambient temperature is above 32°F, or higher. They may be either side wall or thru-roof vented using approved plastic type combustion air and vent piping. All units are factory assembled, wired and tested to assure dependable and economical installation and operation.

WARRANTY

Lifetime limited warranty on both heat exchangers to the original purchaser; a 20-year limited warranty from original installation date to subsequent purchaser. 10-year warranty on commercial applications. 5-year limited parts warranty.

FEATURES

• Compact, easy to install, ideal height 40" cabinet • Blower-off delay for cooling SEER improvement. • Easy to connect power/control wiring. • Built-in, high level self diagnostics with fault code display. • Low unit amp requirement for easy replacement application. • Integrated control module for reliable, economical operation. • High velocity filters and filter rack provided for field installation. • May be installed as either two-pipe (sealed combustion) or single pipe vent (using indoor combustion air) • Top intake & vent connection allows installation in narrow locations. • Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability. • Induced combustion system with inshot main burners for quiet, efficient operation. • No special vent termination kit required. • 100% shut off main gas valve for extra safety. • PSC -four speed, direct drive motor with large, quiet blower. • 24V, 40 VA control transformer and blower relay supplied for add-on cooling. • Hi-tech tubular aluminized steel primary heat exchanger. • Secondary (condensing) heat exchanger of 29-4C highgrade stainless steel. • Timed on, adjustable off blower capability for maximum comfort. • Easy access from front of unit for cleaning, maintenance or service. • Protection from intake, exhaust or condensate blockage. • Insulated blower compartment for quiet operation. • Independent door removal for greater durability and ease of access. • 3-way transition facilitates fresh air piping.

Part No	Description	BTU Input	BTU Output	Brkr Sz	Blower Capacity	Vent Size	LP Kit	Width	Price
FL9S040A12UP11	Upflow	40,000	38,000	20	3 ton	2 or 3	1NP0349	14	\$1,812
FL9S060B12UP11	Upflow	60,000	56,000	20	3 ton	2 or 3	1NP0349	17-1/2	\$1,908
FL9S080B12UP11	Upflow	80,000	75,000	20	3 ton	2 or 3	1NP0349	17-1/2	\$2,039
FL9S080C16UP11	Upflow	80,000	75,000	20	4 ton	2 or 3	1NP0349	21	\$2,100
FL9S080C20UP11	Upflow	80,000	75,000	20	5 ton	2 or 3	1NP0349	21	\$2,269
FL9S100C16UP11	Upflow	100,000	93,000	20	4 ton	2 or 3	1NP0349	21	\$2,154
FL9S100C20UP11	Upflow	100,000	93,000	20	5 ton	2 or 3	1NP0349	21	\$2,314
FL9S120D20UP11	Upflow	120,000	112,000	20	5 ton	2 or 3	1NP0349	24-1/2	\$2,382
FL9S135D20UP11	Upflow	135,000	127,000	20	5 ton	2 or 3	1NP0349	24-1/2	\$2,655

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GAS FURNACES

95% ACCLIMATE
MODULATING



DESCRIPTION

These Category IV, highly efficient, compact, condensing type furnaces are designed for residential and commercial installations in a basement, closet, alcove, recreation room or garage where the ambient temperature is above 32°F, or higher. They may be either side wall or thru-roof vented using approved plastic type combustion air and vent piping. All units are factory assembled, wired and tested to assure dependable and economical installation and operation.

WARRANTY

Lifetime limited warranty on both heat exchangers to the original purchaser; a 20-year limited warranty from original installation date to subsequent purchaser. 10-year warranty on the heat exchanger in commercial applications. 5-year limited parts warranty.

FEATURES

• Modulating heating operation includes: - Modulating gas valve - Modulating inducer operation • Provides increased comfort level & very quiet unit operation • Compact, easy to install, ideal height 40" cabinet • Blower-off delay for cooling SEER improvement. • Easy to connect power/control wiring. • Built-in, high level self diagnostics with fault code display. • Low unit amp requirement for easy replacement application. • Integrated control module for reliable, economical operation. • May be installed as either two-pipe (direct vent) or single pipe vent (using indoor combustion air) • Top intake & vent connection allows installation in narrow locations. • Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability. • Induced combustion system with inshot main burners for quiet, efficient operation. • No special vent termination kit required. • 100% shut off main gas valve for extra safety. • PSC -four speed, direct drive motor with large, quiet blower. • 24V, 40 VA control transformer and blower relay supplied for add-on cooling. • Hi-tech tubular aluminized steel primary heat exchanger. • Secondary (condensing) heat exchanger of 29-4C highgrade stainless steel. • Solid removable bottom panel allows easy application. • Easy access from front of unit for cleaning, maintenance or service. • Protection from intake, exhaust or condensate blockage. • Insulated blower compartment for quiet operation.

Part No	Description	BTU Input	BTU Output	Brkr Sz	Blower Capacity	Vent(in)	LP Kit	Width	Price
FL9M060B12UP11	Upflow	60,000/21,000	57,000/20,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$2,444
FL9M080B12UP11	Upflow	80,000/28,000	76,000/26,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$2,623
FL9M080C16UP11	Upflow	80,000/28,000	76,000/26,000	20	4 ton	2 or 3	1NP0680	21	\$2,671
FL9M100C20UP11	Upflow	100,000/35,000	95,000/33,000	20	5 ton	2 or 3	1NP0680	21	\$2,863
FL9M120D20UP11	Upflow	120,000/42,000	115,000/39,000	20	5 ton	2 or 3	1NP0680	24-1/2	\$3,011

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

GAS FURNACES

95% ACCLIMATE

MODULATING ECM



DESCRIPTION

These Category IV, highly efficient, compact, condensing type furnaces are designed for residential and commercial installations in a basement, closet, alcove, recreation room or garage where the ambient temperature is above 32°F, or higher. They may be either side wall or thru-roof vented using approved plastic type combustion air and vent piping. All units are factory assembled, wired and tested to assure dependable and economical installation and operation.

WARRANTY

Lifetime limited warranty on both heat exchangers to the original purchaser; a 20-year limited warranty from original installation date to subsequent purchaser. 10-year warranty on the heat exchanger in commercial applications. 5-year limited parts warranty.

FEATURES

• Modulating heating operation includes: - Modulating gas valve - Modulating inducer operation • Provides increased comfort level & very quiet unit operation • Compact, easy to install, ideal height 40" cabinet • Blower-off delay for cooling SEER improvement. • Easy to connect power/control wiring. • Built-in, high level self diagnostics with fault code display. • Low unit amp requirement for easy replacement application. • Integrated control module for reliable, economical operation. • May be installed as either two-pipe (direct vent) or single pipe vent (using indoor combustion air) • Top intake & vent connection allows installation in narrow locations. • Electronic Hot Surface Ignition saves fuel cost with increased dependability and reliability. • Induced combustion system with inshot main burners for quiet, efficient operation. • No special vent termination kit required. • 100% shut off main gas valve for extra safety. • ECM high efficiency direct drive motor with large, quiet blower. • 24V, 40 VA control transformer and blower relay supplied for add-on cooling. • Hi-tech tubular aluminized steel primary heat exchanger. • Secondary (condensing) heat exchanger of 29-4C highgrade stainless steel. • Solid removable bottom panel allows easy application. • Easy access from front of unit for cleaning, maintenance or service. • Protection from intake, exhaust or condensate blockage. • Insulated blower compartment for quiet operation. All furnaces in this line are 30-1/8" deep.

Part No	Description	BTU Input	BTU Output	Brk r Siz e	Blower Capacity	Ven t(in)	LP Kit	Width	Price
FL9C060B12DH11	Downflow/Horiz	60,000/21,000	57,000/20,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$3,561
FL9C060B12UP11	Upflow	60,000/21,000	57,000/20,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$3,440
FL9C080B12DH11	Downflow/Horiz	80,000/28,000	76,000/26,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$3,730
FL9C080B12UP11	Upflow	80,000/28,000	76,000/26,000	20	3 ton	2 or 3	1NP0680	17-1/2	\$3,604
FL9C080C16DH11	Downflow/Horiz	80,000/28,000	76,000/26,000	20	4 ton	2 or 3	1NP0680	21	\$3,818
FL9C080C16UP11	Upflow	80,000/28,000	76,000/26,000	20	4 ton	2 or 3	1NP0680	21	\$3,696
FL9C100C16DH11	Downflow/Horiz	100,000/35,000	95,000/33,000	20	4 ton	2 or 3	1NP0680	21	\$3,992
FL9C100C16UP11	Upflow	100,000/35,000	95,000/33,000	20	4 ton	2 or 3	1NP0680	21	\$3,734
FL9C100C20DH11	Downflow/Horiz	100,000/35,000	95,000/33,000	20	5 ton	2 or 3	1NP0680	21	\$4,077
FL9C100C20UP11	Upflow	100,000/35,000	95,000/33,000	20	5 ton	2 or 3	1NP0680	21	\$3,953
FL9C120D20UP11	Upflow	120,000/42,000	115,000/39,000	20	5 ton	2 or 3	1NP0680	24-1/2	\$4,267

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

13 SEER

R22



DESCRIPTION

The 13 SEER Series condensing unit is the outdoor part of a versatile system of air conditioning. It is designed to be custom- matched with one of UPG's complete line of evaporator sections, with each serving a specific function. Matching Air Handlers are available for upflow, downflow, or horizontal applications to provide a complete system. Electric Heaters are available, if required. Add-On coils are available for use with upflow, downflow, or horizontal furnaces and air handlers.

WARRANTY

5-year limited parts warranty. 5-year limited compressor warranty.

FEATURES

• **QUALITY CONDENSER COILS** - The coil is constructed of copper tube and aluminum fins. • **PROTECTED COMPRESSOR** - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of high pressure relief valve and a temperature sensor which protects the compressor if undesirable operating conditions occur. A liquid line filter-drier further protects the compressor. • **DURABLE FINISH** - The cabinet is made of pre-painted steel. The pre-treated galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and matted-textured finish insure less fading when exposed to sunlight. • **LOWER INSTALLED COST** - Installation time and costs are reduced by easy power and control wiring connections. Discharge line heat exchanger knockouts are provided, if required. Available in sweat connect models only. The unit contains enough refrigerant for matching indoor coils and 15 feet of interconnecting piping. The small base dimension means less space is required on the ground or roof. • **TOP DISCHARGE** - The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications. • **LOW OPERATING SOUND LEVEL** - The upward air flow carries the normal operating noise away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds. • **LOW MAINTENANCE** - Long life permanently lubricated motor-bearings need no annual servicing. • **EASY SERVICE ACCESS** - Fully exposed refrigerant connections, a single panel covering the electrical controls, and the moxex plug in the control box connecting the condenser fan make for easy servicing of the unit. • **SECURED SERVICE VALVES** - Secured re-usable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging. • **U.L. and C.U.L. listed** - approved for outdoor application. Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
H*BD-F018S	17,500	208-230/1	15	3/8	3/4	151	24 x 36	1TVM2A1	\$1,326
H*BD-F024S	23,000	208-230/1	15	3/8	3/4	151	30 x 40	1TVM2A1	\$1,432
H*BD-F030S	29,600	208-230/1	20	3/8	3/4	183	30 x 40	1TVM2A1	\$1,618
H*BD-F036S	34,800	208-230/1	20	3/8	7/8	183	30 x 40	1TVM2A1	\$1,766
H*BD-F042S	41,000	208-230/1	20	3/8	7/8	193	30 x 40	1TVM2C1	\$2,072
H*BD-F048S	47,000	208-230/1	35	3/8	7/8	215	36 x 48	1TVM2C1	\$2,346
H*BD-F060S	55,000	208-230/1	50	3/8	1-1/8	220	36 x 48	1TVM2C1	\$2,776

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SPLIT SYSTEM

AIR CONDITIONERS

13 SEER

R22

COIL MATCHUPS - A/C			
Model	1pc AHU w/TXV	2pc AHU	Coil & TXV
HBD-F018	FFP024H06T2A	MA08BN21	MC24B3XH+1TVM2A1
HBD-F024	FFP030H06T2A	MA08BN21	MC24B3XH+1TVM2A1
HBD-F030	FFP036H06T2A	MA12BN21	MC30B3XH+1TVM2A1
HBD-F036	FFP040H06T2A	MA12BN21	MC36B3XH+1TVM2A1
HBD-F042	FFP048H06T2C	MA16CN21	MC42C3XH+1TVM2C1
HBD-F048	AHP48D3XH2	MA16CN21	MC48C3XH+1TVM2C1
HBD-F060	AHP60D3XH2	MA20DN21	MC60D3XH+1TVM2C1

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R22



DESCRIPTION

The 14 SEER Series condensing unit is the outdoor part of a versatile system of air conditioning. It is designed to be custom- matched with one of UPG's complete line of evaporator sections, with each serving a specific function. Matching Air Handlers are available for upflow, downflow, or horizontal applications to provide a complete system. Electric Heaters are available, if required. Add-On coils are available for use with upflow, downflow, or horizontal furnaces and air handlers.

WARRANTY

5-year limited parts warranty.10-year limited compressor warranty.

FEATURES

• **QUALITY CONDENSER COILS** - The coil is constructed of copper tube and aluminum fins. • **PROTECTED COMPRESSOR** - The compressor is internally protected against high pressure and temperature. This is accomplished by the simultaneous operation of high pressure relief valve and a temperature sensor which protects the compressor if undesirable operating conditions occur. A liquid line filter-drier further protects the compressor. • **DURABLE FINISH** - The cabinet is made of pre-painted steel. The pre-treated galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. Special primer formulas and desert sand matted-textured finish insure less fading when exposed to sunlight. • **LOWER INSTALLED COST** - Installation time and costs are reduced by easy power and control wiring connections. Discharge line heat exchanger knockouts are provided, if required. Available in sweat connect models only. The unit contains enough refrigerant for matching indoor coils and 15 feet of interconnecting piping. The small base dimension means less space is required on the ground or roof. • **TOP DISCHARGE** - The warm air from the top mounted fan is blown up away from the structure and any landscaping. This allows compact location on multi-unit applications. • **LOW OPERATING SOUND LEVEL** - The upward air flow carries the normal operating noise away from the living area. The rigid top panel effectively isolates any motor sound. Isolator mounted compressor and the rippled fins of the condenser coil muffle the normal fan motor and compressor operating sounds. • **LOW MAINTENANCE** - Long life permanently lubricated motor-bearings need no annual servicing. • **EASY SERVICE ACCESS** - Fully exposed refrigerant connections, a single panel covering the electrical controls, and the molex plug in the control box connecting the condenser fan make for easy servicing of the unit. • **SECURED SERVICE VALVES** - Secured re-usable service valves are provided on both the liquid and vapor sweat connections for ease of evacuating and charging. • **U.L. and C.U.L. listed** - approved for outdoor application. Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
H*BE-F024S	23,000	208-230/1	15	3/8	3/4	181	30 x 40	1TVM2A1	\$2,249
H*BE-F030S	29,000	208-230/1	25	3/8	7/8	193	30 x 40	1TVM2A1	\$2,532
H*BE-F036S	35,200	208-230/1	25	3/8	7/8	219	30 x 40	1TVM2A1	\$2,811
H*BE-F042S	40,500	208-230/1	30	3/8	1-1/8	240	36 x 48	1TVM2C1	\$3,495
H*BE-F048S	47,000	208-230/1	35	3/8	1-1/8	264	36 x 48	1TVM2C1	\$3,823
H*BE-F060S	55,500	208-230/1	50	3/8	1-1/8	279	36 x 48	1TVM2C1	\$4,410

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SPLIT SYSTEM

AIR CONDITIONERS

14 SEER

R22

COIL MATCHUPS - A/C				
Model	2pc AHU	Coil & TXV	2PC Var Spd AHU	Coil & TXV
HBE-F024	MA08BN21	MC24B3XH+1TVM2A1	MV12BN21	MC24B3XH+1TVM2A1
HBE-F030	MA12BN21	MC36B3XH+1TVM2A1	MV12BN21	MC36B3XH+1TVM2A1
HBE-F036	MA12BN21	MC48C3XH+1TVM2A1	MV16CN21	MC42C3XH+1TVM2A1
HBE-F042	MA14DN21	MC60D3XH+1TVM2C1	MV20DN21	MC60D3XH+1TVM2C1
HBE-F048	MA20DN21	MC61D3XH+1TVM2C1	MV20DN21	MC60D3XH+1TVM2C1
HBE-F060	MA20DN21	MC61D3XH+1TVM2C1	MV20DN21	MC61D3XH+1TVM2C1

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

13 SEER ACCLIMATE

R410A



DESCRIPTION

The HL3 Series unit is the outdoor part of a versatile heat pump system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

5-year limited parts warranty.10-year limited compressor warranty.

FEATURES

• **Superior Coil Protection** - A PVC coated steel coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles. • **Isolated Compressor Compartment** - A molded composite bulkhead isolates the compressor from the rest of the unit reducing sound and vibration. • **Protected Compressors** - Each compressor is protected against high and low pressure as well as excessive temperature. This is accomplished by by the simultaneous operation of a high pressure relief valve and temperature sensors which protect the compressor if undesirable conditions occur. • **Environmentally Friendly Refrigerant** - Next generation refrigerant R-410A delivers environmentally friendly performance, with zero ozone depletion. • **Durable Finish** - Automotive quality finish provides the ultimate protection from harmful U.V. rays as well as rust creep ensuring long-lasting high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes. • **Lower Installed Cost** - Designed to provide enhanced installability by featuring a slide-down control compartment allowing easy access to control components along with angled service valves to reduce overall installation time and cost. • **Low Operating Sound Levels** - A fan design boasting technology adapted from aeronautic and defense engineering provides for whisper quiet operation by allowing airflow to flow smoothly and efficiently across the fan tips. • **Filter-Drier** - A factory installed, solid core liquid line filterdrier filters harmful debris and moisture from the system. • **Easy Service Access** - A full end, full service, access panel with handle makes for easy entry to internal components. • **Long Lasting Operation** - Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration. • **Complete System Control** - These heat pumps utilize the unique microprocessor defrost control system to provide optimal comfort as well as monitor the overall system for reliable operation. The defrost control system continuously monitors the space environment to maintain optimum efficiency. It initiates defrost only when necessary to further reduced heating costs and improve reliability. Supplemental heat can only operate below the balance point and then only upon need. In the event improper operating conditions occur (high temperature and/or high pressure), the will automatically shut the system down to extend the life of the heat pump. Rapid cycling is prevented by use of an internal anti-recycle timer. The defrost control features an internal memory to aid the technician in troubleshooting, reducing service time and cost. Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240.

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
AL3B018F1	18,100	208-230/1	20	3/8	3/4	165	36 x 40	1TVM901	\$2,328
AL3B024F1	23,200	208-230/1	25	3/8	3/4	170	36 x 40	1TVM903	\$2,436
AL3B030F1	30,600	208-230/1	30	3/8	3/4	190	36 x 40	1TVM903	\$2,648
AL3B036F1	36,200	208-230/1	35	3/8	3/4	190	36 x 40	1TVM903	\$3,056
AL3B042F1	41,500	208-230/1	50	3/8	7/8	205	36 x 40	1TVM904	\$3,508
AL3B048F1	48,500	208-230/1	45	3/8	7/8	215	36 x 40	1TVM905	\$3,961
AL3B060F1	57,500	208-230/1	60	3/8	7/8	260	36 x 40	1TVM905	\$4,558

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SPLIT SYSTEM

AIR CONDITIONERS

13 SEER ACCLIMATE

R410A

COIL MATCHUPS - A/C			
Model	1pc AHU & TXV	2pc AHU	Coil & TXV
AL3B018F1	AHP24B3XH5+1TVM901	MV12BN21	MC24B3XH+1TVM901
AL3B024F1	AHP24B3XH5+1TVM903	MV12BN21	MC24B3XH+1TVM903
AL3B030F1	AHP30B3XH2+1TVM903	MV12BN21	MC36B3XH+1TVM903
AL3B036F1	AHP36C3XH2+1TVM903	MV16CN21	MC42C3XH+1TVM903
AL3B042F1	AHP48D3XH2+1TVM904	MV16CN21	MC48C3XH+1TVM904
AL3B048F1	AHP48D3XH2+1TVM905	MV20DN21	MC60D3XH+1TVM905
AL3B060F1	AHP60D3XH2+1TVM905	MV20DN21	MC61D3XH+1TVM905

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR CONDITIONERS

15 SEER ACCLIMATE

R410A



DESCRIPTION

The HL5 Series unit is the outdoor part of a versatile heat pump system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

5-year limited parts warranty. 10-year limited compressor warranty. Premium System Warranty - Limited lifetime compressor and 10-year parts when matched with an approved Luxaire Acclimate furnace or UPG air handler and coil.

FEATURES

• **Superior Coil Protection** - A PVC coated steel coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles. • **Isolated Compressor Compartment** - A molded composite bulkhead isolates the compressor from the rest of the unit reducing sound and vibration. • **Protected Compressors** - Each compressor is protected against high and low pressure as well as excessive temperature. This is accomplished by the simultaneous operation of a high pressure relief valve and temperature sensors which protect the compressor if undesirable conditions occur. • **Environmentally Friendly Refrigerant** - Next generation refrigerant R-410A delivers environmentally friendly performance, with zero ozone depletion. • **Durable Finish** - Automotive quality finish provides the ultimate protection from harmful U.V. rays as well as rust creep ensuring longlasting high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes. • **Lower Installed Cost** - Designed to provide enhanced installability by featuring a slide-down control compartment allowing easy access to control components along with angled service valves to reduce overall installation time and cost. • **Low Operating Sound Levels** - A fan design boasting technology adapted from aeronautic and defense engineering provides for whisper quiet operation by allowing airflow to flow smoothly and efficiently across the fan tips. • **Filter-Drier** - A factory installed, solid core liquid line filter-drier filters harmful debris and moisture from the system. • **Easy Service Access** - A full end, full service, access panel with handle makes for easy entry to internal components. • **Long Lasting Operation** - Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration. • **Silent drive system** - The swept-wing fan, composite base pan, isolated compressor compartment and two-stage compressor are engineered as a system to reduce overall sound to a mere whisper. • **Complete System Control** - All models utilize the exclusive microprocessor based, on-demand, defrost control system. This system provides optimal comfort, efficiency, and constant monitoring of the entire system for reliable operation. defrost cycles occur only when necessary. an adjustable balance point insures supplemental heat is brought on only when required to meet the space load, for optimum efficiency and reliability. • In the event improper operating conditions occur (high temperature and/or high pressure), the unit will automatically shut down to protect the refrigeration system, and switch to back-up heat. On-board diagnostic LED's guide the technician to the source of the problem, and an output signal from the control to the thermostat will alert the homeowner. The control also features non-volatile memory, which preserves trouble codes in the event of power loss. An anti-short cycle timer extends the life of the compressor by preventing shortcycling. Certified in accordance with the Unitary Small Equipment certification program, which is based on ARI Standard 210/240

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
AL5B024F1	24,000	208-230/1	20	3/8	3/4	195	36 x 40	1TVM902	\$3,742
AL5B036F1	36,000	208-230/1	35	3/8	3/4	210	36 x 40	1TVM902	\$4,490
AL5B048F1	48,000	208-230/1	45	3/8	7/8	260	36 x 40	1TVM905	\$5,215
AL5B060F1	59,000	208-230/1	50	3/8	1-1/8	270	36 x 40	1TVM905	\$5,800

COIL MATCHUPS - A/C		
Model	2pc AHU	Coil & TXV
AL5B024F1	MV12BN21	MC36B3XH+1TVM902
AL5B036F1	MV12BN21	MC42B3XH+1TVM902
AL5B048F1	MV20DN21	MC61D3XH+1TVM905
AL5B060F1	MV20DN21	MC61D3XH+1TVM905

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR HANDLERS

SINGLE PIECE

WITH TXV



DESCRIPTION

This fan coil unit provides the flexibility for installation in any upflow or horizontal application. These versatile models may be used for split-system cooling or heat pump operation. Compact cabinets along with return air options in both the upflow and horizontal positions allow this unit to fit into tight spaces such as attics, crawl spaces, and closets. **NOTE:** For matching condensing units and performance data, refer to condenser technical guides.

FEATURES

CABINET -The compact and sturdy cabinet is protected with a durable, attractive finish to prevent rust. The cabinet is also insulated to prevent cabinet sweating. F4FP and F4FV models have 3/4 inch insulation. **BLOWERS** - Blowers are sized to circulate air both quietly and efficiently. The direct-drive, 3-speed motors provide a selection of air volume to match any application. Motor speeds may be selected via quick connect terminal at the motor. Slide-out blower/motor assemblies provide for easy servicing. **COILS** - Using the latest in heat transfer technology, the rifled tube coil/aluminum fin coils produce high performance ratings and provide long lasting quality. The coils are capable of bottom return air in the upflow position, and right or left end return air in the horizontal position. **FACTORY INSTALLED TXV** - Air handler models F4FP and F4FV have factory installed TXV metering device. **ELECTRIC HEATERS** - Models providing up to 25kw of heat are available as field installed accessories. Electric heaters are available in both single and three phase. **EASY INSTALLATION** - These fan coil units are designed to provide the lowest total installation cost. Accessible color coded control wiring, top and side power wiring knockouts, easy to install drain connections and electric heaters all combine to minimize installed cost on every job. **CONTROL BOARD** - The control board is equipped with low voltage terminal strips for easy installation. The control board is also equipped with plug-in receptacles for the auxiliary heaters

Part No	Description	Voltage	Brkr Sz	Dimensions	Price
F*FP024H06T2A	2 Ton Fancoil	208-230/1	15	18 x 22 x 40-3/4	\$918
F*FP030H06T2A	2-1/2 Ton Fancoil	208-230/1	15	18 x 22 x 40-3/4	\$1,008
F*FP036H06T2A	3 Ton Fancoil	208-230/1	15	21-1/2 x 22 x 40-3/4	\$1,104
F*FP040H06T2A	3-1/2 Ton Fancoil	208-230/1	15	21-1/2 x 22 x 40-3/4	\$1,142
F*FP042H06T2C	3-1/2 Ton Fancoil	208-230/1	15	21-1/2 x 22 x 40-3/4	\$1,214
F*FP048H06T2C	4 Ton Fancoil	208-230/1	15	24 x 22 x 50-3/4	\$1,472
F*FP060H06T2C	5 Ton Fancoil	208-230/1	15	24 x 22 x 50-3/4	\$1,566

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

SPLIT SYSTEM

AIR HANDLERS

MODULAR



DESCRIPTION

This unique modular system allows the flexibility to handle any application. These versatile coils and blowers may be used for upflow, down-flow, or horizontal left or right applications. They may be combined to function as a cooling only unit or with a heat pump including electric heat for 1 and 3 phase applications. The blower and electric heater could be used as stand alone electric furnaces.

FEATURES

BLOWERS - Models to match any air flow or voltage requirement. The compact size allows easy installation. Blowers are sized to deliver design air quantity both efficiently and quietly. The direct-drive, multi-speed blower motors provide a selection of air quantities to match any application. All models include a one-minute blower off delay as standard to enhance system efficiency ratings. The durable, pre-painted steel protects the unit against rust and corrosion. All models have 1 inch foil face fiber glass insulation. **COILS** - Staggered rows of rifled copper tubes are mechanically expanded into enhanced surface aluminum fins to provide high heat transfer and long-lasting quality. The MC multi-position coils may be used for upflow, downflow, and horizontal left or right applications. Coil cabinets are insulated with 3/4" foil face insulation to prevent sweating.

ELECTRIC HEATERS - Both single and three phase electric heater models are available to match any requirement. All heaters include nickel-chromium elements with a 5-year limited warranty on 1 Ø heating elements and 1 year limited warranty on 3 Ø heating elements. Sequencers are provided to control heaters in all models. Circuit breakers are used in 208/230 volt, singlephase heaters of 13 KW and larger. Models equipped with circuit breakers may be altered in the field to use multi-source power supply. Over-temperature limit switches provide protection from airflow loss. **ACCESSORIES** - A full line of matching accessories available for use with the blower and coils to allow any type application. **LIMITATIONS** - These units must be wired and installed in accordance with all national and local safety codes.

Part No	Description	Voltage	Width	Price
MA08BN21	2 Ton Modular Blower	208-230/1	17-1/2	\$572
MA12BN21	3 Ton Modular Blower	208-230/1	17-1/2	\$616
MA14DN21	3-1/2 Ton Modular Blower	208-230/1	24-1/2	\$709
MA16CN21	4 Ton Modular Blower	208-230/1	21	\$672
MA20DN21	4 Ton Modular Blower	208-230/1	24-1/2	\$732

AIR HANDLERS

HEAT KITS



These electric heat accessories are used for applications of cooling with electric heat and heat pump with electric heat. Each of the air handler unit models are approved for use with specific electric heat accessories. The Air Handler installation instructions, or name plate list the possible combinations and other important electrical data and limitations.

Part No	Desc	Voltage	Price
4HK06500806	8KW Heat kit w/out breaker	208-230/1	\$124
4HK06501006	10KW Heat kit w/out breaker	208-230/1	\$134
4HK16501506	15KW Heat kit w/breaker	208-230/1	\$252
4HK16502006	20KW Heat Kit w/breaker	208-230/1	\$300

LUXAIRE EQUIPMENT

SPLIT SYSTEM

COILS

CASED

R22/R410



DESCRIPTION

These cooling and heat pump coils are designed to be installed with UPG furnaces and to be matched with UPG cooling and heat pump outdoor units. All UPG coils utilize a TXV to provide our customers with the optimum performance and refrigerant control required for 13+ SEER systems. Coils can be ordered with a R22 TXV factory installed that can be easily converted to R410A by changing the bolton TXV. "Flex-coils" are also available without a factory installed metering device. For added application flexibility a R22 or R410A TXV is installed, on "Flex-coils", in the field to meet your refrigerant choice.

Upflow/Downflow Coils Full Cased and Partial Cased Coils - Designed for high-efficiency to match any system, full cased in the upflow or downflow and the partial cased in the upflow only application. **Multi-Position Coils** - Designed for high-efficiency like the upflow/downflow coil but with the added flexibility that allows it to be installed any position, upflow, downflow, horizontal right or left. This coil can be easily applied to our furnace and modular air handler in any configuration.

Horizontal Duct Coils - Available for both cooling and heat pump dedicated horizontal, slab coil, applications. Field transition may be required. **Dedicated Horizontal Cased Coils** - These coils are cooling only or heat pump approved for horizontal furnace or modular air handler applications. Unlike the horizontal duct coils these cased coils match the dimensions of the furnace or modular blower.

FEATURES

Thermal Expansion Valve - Provides flexibility to convert any coil to R22 or R410A refrigerant. A true bolt-on TXV, valve assembly and equalizer tube are bolt-on, no brazing required. TXV and sensing bulb are mounted inside the cased coil cabinet. (Must be field supplied for all "Flex-coils") **MicroBlue™ Coated Fins** - All coils are treated with a MicroBlue™ Hydrophilic coating to enhance the removal of condensate during the refrigeration cycle and reduce the possibility of water blow-off. The MicroBlue™ coating also reduces the growth of germ causing microbes. **Insulated Cabinet** - All evaporator coil cabinets are thermally insulated with foil faced insulation to prevent sweating. **Internally Clean** - All evaporator coils are factory leak-tested, dehydrated, sealed and shipped with a holding charge. The suction and liquid lines are sealed with rubber plugs, no cutting of connection stubs to attach line set. **Durable Finish Inside and Out** - Coil casings are made of prepainted steel. The pre-treated flat galvanized steel provides a better paint to steel bond, which resists corrosion and rust creep. All internal metal parts are made of G90 pre-painted steel i.e. triangular plates, top plates, horizontal supports etc.

(Coil header plates are non-painted due to the brazing process during production.) **Optimum Heat Transfer** - Using the latest in heat transfer technology, staggered rows of copper tubes are mechanically expanded into aluminum fins to provide optimum air to surface contact for ample moisture removal as well as high performance rating.

Part No	Description	Application	Width	Price
MC24A3XH	3 Ton Flex Coil	Upflow, Downflow, Horiz	14	\$524
MC24B3XH	2 Ton Flex Coil	Upflow, Downflow, Horiz	17-1/2	\$512
MC30A3XH	2-1/2 Ton Flex Coil	Upflow, Downflow, Horiz	14	\$531
MC30B3XH	2-1/2 Ton Flex Coil	Upflow, Downflow, Horiz	17-1/2	\$588
MC36A3XH	3 Ton Flex Coil	Upflow, Downflow, Horiz	14	\$594
MC36B3XH	3 Ton Flex Coil	Upflow, Downflow, Horiz	17-1/2	\$626
MC36C3XH	3 Ton Flex Coil	Upflow, Downflow, Horiz	21	\$654
MC42B3XH	3-1/2 Ton Flex Coil	Upflow, Downflow, Horiz	17-1/2	\$670
MC42C3XH	3-1/2 Ton Flex Coil	Upflow, Downflow, Horiz	21	\$712
MC48C3XH	4 Ton Flex Coil	Upflow, Downflow, Horiz	21	\$794
MC48D3XH	4 Ton Flex Coil	Upflow, Downflow, Horiz	24-1/2	\$810
MC60D3XH	5 Ton Flex Coil	Upflow, Downflow, Horiz	24-1/2	\$866
MC61D3XH	5 Ton Flex Coil	Upflow, Downflow, Horiz	24-1/2	\$985

LUXAIRE EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

13 SEER

R22



DESCRIPTION

The 13 SEER series heat pumps are designed for use with a variety of UPG evaporator sections to suit any application need. A full line of matching Add-On Coils are available for use with upflow, downflow or horizontal furnaces. Matching Air Handlers are also available for upflow, downflow or horizontal installation to provide a complete system. Electric heat may be installed in air handlers. All units are factory charged to assure easy installation.

WARRANTY

5-year limited parts warranty. 5-year limited compressor warranty.

FEATURES

- **DURABLE CONSTRUCTION** - The outdoor unit is constructed of pre-painted steel that offers tough protection against corrosion and resists fading when exposed to sunlight. Drain holes are incorporated into the base pan to permit free drainage of moisture.
- **QUALITY COILS** - The coil is constructed of enhanced copper tube and aluminum fins.
- **COIL PROTECTION** - Coils are protected from damage by a polymer mesh applied between the coil face, and a PVC coated steel coil guard
- **PROTECTED COMPRESSOR** - The hermetic compressor is internally protected against high pressure and temperature by the simultaneous operation of a high pressure relief valve and temperature sensors which stop the compressor if operating temperatures go too high. Both protectors reset automatically. A discharge line solid core filter drier further protects the compressor.
- **Complete System Control** - These heat pumps utilize the unique microprocessor defrost control system to provide optimal comfort and to monitor the overall system for reliable operation. The defrost control system continuously monitors the space environment to maintain optimum efficiency. It initiates defrost only when necessary to further reduce heating costs and improve reliability. In the event improper operating conditions occur, the control will automatically shut the system down to extend the life of the heat pump. Rapid cycling is prevented by use of an internal anti-recycle timer.
- **LOW OPERATING SOUND LEVEL** - The compressor is mounted on rubber isolators to reduce operating sounds. The slow moving condenser fan keeps air turbulence and sound to a low level.
- **EASY ACCESS** - Removable panel affords accessibility to the electrical box.
- **FULLY CHARGED AND FACTORY WIRED** - to simplify installation and reduce labor costs. Only power supply and control wiring and refrigerant lines must be connected. All models are sweat connect with reusable service valves.
- **Factory tested** - to verify system operation and control functioning before shipment.

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
E*BD-F018S	18,000	208-230/1	15	3/8	3/4	172	24 x 36	1TVM2A1	\$1,868
E*BD-F024S	23,200	208-230/1	25	3/8	3/4	184	30 x 40	1TVM2A1	\$2,018
E*BD-F030S	28,400	208-230/1	25	3/8	7/8	196	30 x 40	1TVM2A1	\$2,282
E*BD-F036S	34,600	208-230/1	30	3/8	7/8	208	30 x 40	1TVM2A1	\$2,568
E*BD-F042S	41,000	208-230/1	40	3/8	7/8	208	30 x 40	1TVM2C1	\$2,918
E*BD-F048S	46,000	208-230/1	50	3/8	7/8	250	36 x 48	1TVM2C1	\$3,234
E*BD-F060S	55,000	208-230/1	50	3/8	1-1/8	294	36 x 48	1TVM2C1	\$3,346

COIL MATCHUPS - H/P			
Model	1pc AHU w/TXV	2pc AHU	Coil & TXV
EBD-F018	FFP024H06T2A	MA08BN21	MC24B2XH+1TVM2A1
EBD-F024	FFP030H06T2A	MA08BN21	MC24B2XH+1TVM2A1
EBD-F030	FFP040H06T2A	MA12BN21	MC42B3XH+1TVM2A1
EBD-F036	FFP042H06T2A	MA12BN21	MC42B3XH+1TVM2A1
EBD-F042	FFP048H06T2C	MA16CN21	MC48C3XH+1TVM2C1
EBD-F048	FFP060H06T2C	MA20DN21	MC60D3XH+1TVM2C1
EBD-F060	FFP060H06T2C	MA20DN21	MC60D3XH+1TVM2C1

LUXAIRE EQUIPMENT

LUXAIRE EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

14 SEER

R22



DESCRIPTION

The 14 SEER series heat pumps are designed for use with a variety of UPG evaporator sections to suit any application need. A full line of matching Add-On Coils are available for use with upflow, downflow or horizontal furnaces. Matching Air Handlers are also available for upflow, downflow or horizontal installation to provide a complete system. Electric heat may be installed in air handlers. All units are factory charged to assure easy installation.

WARRANTY

5-year limited parts warranty. 10-year limited compressor warranty.

FEATURES

• **DURABLE CONSTRUCTION** - The outdoor unit is constructed of pre-painted steel that offers tough protection against corrosion and resists fading when exposed to sunlight. Drain holes are incorporated into the base pan to permit free drainage of moisture. • **QUALITY COILS** - The coil is constructed of enhanced copper tube and aluminum fins. • **COIL PROTECTION** - Coils are protected from damage by a polymer mesh applied between the coil face, and a PVC coated steel coil guard. • **PROTECTED COMPRESSOR** - The hermetic compressor is internally protected against high pressure and temperature by the simultaneous operation of a high pressure relief valve and temperature sensors which stop the compressor if operating temperatures go too high. Both protectors reset automatically. A discharge line solid core filter drier further protects the compressor. • **Complete System Control** - These heat pumps utilize the unique microprocessor defrost control system to provide optimal comfort and to monitor the overall system for reliable operation. The defrost control system continuously monitors the space environment to maintain optimum efficiency. It initiates defrost only when necessary to further reduce heating costs and improve reliability. In the event improper operating conditions occur, the control will automatically shut the system down to extend the life of the heat pump. Rapid cycling is prevented by use of an internal anti-recycle timer. • **LOW OPERATING SOUND LEVEL** - The compressor is mounted on rubber isolators to reduce operating sounds. The slow moving condenser fan keeps air turbulence and sound to a low level. • **EASY ACCESS** - Removable panel affords accessibility to the electrical box. • **FULLY CHARGED AND FACTORY WIRED** - to simplify installation and reduce labor costs. Only power supply and control wiring and refrigerant lines must be connected. All models are sweat connect with reusable service valves. • **Factory tested** - to verify system operation and control functioning before shipment.

Part No	MBH Output	Voltage	Brkr Sz	Liquid Line	Suction Line	Weight	Pad Size	TXV	Price
E*BE-F024S	24,000	208-230/1	25	3/8	7/8	212	36 X 48	1TVM2A1	\$3,546
E*BE-F030S	30,400	208-230/1	30	3/8	7/8	215	36 X 48	1TVM2A1	\$3,730
E*BE-F036S	36,000	208-230/1	40	3/8	1-1/8	242	36 X 48	1TVM2A1	\$4,094
E*BE-F042S	42,000	208-230/1	45	3/8	1-1/8	252	36 X 48	1TVM2C1	\$4,428
E*BE-F048S	46,000	208-230/1	50	3/8	1-1/8	266	36 X 48	1TVM2C1	\$4,689

COIL MATCHUPS - H/P				
Model	2pc AHU	Coil & TXV	2pc Var Spd AHU	Coil & TXV
EBE-F024	MA08BN21	MC42B3XH+1TVM2A1	MV12BN21	MC42B3XH_1TVM2A1
EBE-F030	MA12BN21	MC42B3XH+1TVM2A1	MV16CN21	MC48C3XH+1TVM2A1
EBE-F036	MA14DN21	MC60D3XH+1TVM2A1	MV20DN21	MC48C3XH+1TVM2A1
EBE-F042	MA14DN21	MC48D3XH+1TVM2C1	MV20DN21	MC60D3XH+1TVM2C1
EBE-F048	MA20DN21	MC61D3XH+1TVM2C1	MV20DN21	MC61D3XH+1TVM2C1

LUXAIRE EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

13 SEER ACCLIMATE

R410A



DESCRIPTION

The HL3 Series unit is the outdoor part of a versatile heat pump system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

5-year limited parts warranty. 10-year limited compressor warranty.

FEATURES

• **Superior Coil Protection** - A PVC coated steel coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles. • **Isolated Compressor Compartment** - A molded composite bulkhead isolates the compressor from the rest of the unit reducing sound and vibration. • **Protected Compressors** - Each compressor is protected against high and low pressure as well as excessive temperature. This is accomplished by the simultaneous operation of a high pressure relief valve and temperature sensors which protect the compressor if undesirable conditions occur. • **Environmentally Friendly Refrigerant** - Next generation refrigerant R-410A delivers environmentally friendly performance, with zero ozone depletion. • **Durable Finish** - Automotive quality finish provides the ultimate protection from harmful U.V. rays as well as rust creep ensuring long-lasting high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes. • **Lower Installed Cost** - Designed to provide enhanced installability by featuring a slide-down control compartment allowing easy access to control components along with angled service valves to reduce overall installation time and cost. • **Low Operating Sound Levels** - A fan design boasting technology adapted from aeronautic and defense engineering provides for whisper quiet operation by allowing airflow to flow smoothly and efficiently across the fan tips. • **Filter-Drier** - A factory installed, solid core liquid line filterdrier filters harmful debris and moisture from the system. • **Easy Service Access** - A full end, full service, access panel with handle makes for easy entry to internal components. • **Long Lasting Operation** - Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration. • **Complete System Control** - These heat pumps utilize the unique microprocessor defrost control system to provide optimal comfort as well as monitor the overall system for reliable operation. The defrost control system continuously monitors the space environment to maintain optimum efficiency. It initiates defrost only when necessary to further reduced heating costs and improve reliability. Supplemental heat can only operate below the balance point and then only upon need. In the event improper operating conditions occur (high temperature and/or high pressure), the will automatically shut the system down to extend the life of the heat pump. Rapid cycling is prevented by use of an internal anti-recycle timer. The defrost control features an internal memory to aid the technician in troubleshooting, reducing service time and cost.

Part No	MBH Output	Voltage	Brkr Sz	Liqui d Line	Suctio n Line	Weight	Pad Size	TXV	Price
HL3B018F1	17,500	208-230/1	25	3/8	3/4	175	36 x 40	1TVM902	\$3,272
HL3B024F1	23,000	208-230/1	30	3/8	3/4	190	36 x 40	1TVM902	\$3,468
HL3B030F1	29,000	208-230/1	35	3/8	3/4	195	36 x 40	1TVM903	\$3,858
HL3B036F1	36,000	208-230/1	40	3/8	3/4	220	36 x 40	1TVM904	\$4,184
HL3B042F1	42,000	208-230/1	50	3/8	7/8	220	36 x 40	1TVM904	\$4,502
HL3B048F1	46,500	208-230/1	60	3/8	7/8	260	36 x 40	1TVM905	\$5,161
HL3B060F1	55,000	208-230/1	60	3/8	7/8	265	36 x 40	1TVM905	\$5,807

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SPLIT SYSTEM

HEAT PUMPS

13 SEER ACCLIMATE

R410A

COIL MATCHUPS - H/P			
Model	1pc AHU & TXV	2pc AHU	Coil & TXV
HL3B018F1	AHP18B3XH2+1TVM901	MV12BN21	MC24B2XH+1TVM902
HL3B024F1	AHP24B3XH2_1TVM903	MV12BN21	MC30B3XH+1TVM902
HL3B030F1	AHP36C3XH2+1TVM903	MV12BN21	MC36B3XH+1TVM903
HL3B036F1	AHP42C3XH2+1TVM904	MV16CN21	MC36C3XH+1TVM904
HL3B042F1	AHP48D3XH2+1TVM904	MV16CN21	MC48C3XH+1TVM904
HL3B048F1	AHP48D3XH2+1TVM905	MV20DN21	MC60D3XH+1TVM905
HL3B060F1	AHP60D3XH2+1TVM905	MV20DN21	MC60D3XH+1TVM905

LUXAIRE EQUIPMENT

SPLIT SYSTEM

HEAT PUMPS

15 SEER ACCLIMATE

R410A



DESCRIPTION

The HL5 Series unit is the outdoor part of a versatile heat pump system. It is designed to be custom matched with one of our complete line of evaporator sections, each designed to serve a specific function. Matching air handlers are available for upflow, downflow, and horizontal left or right application to provide a complete system. Electric heaters are available if required. Add-on coils are available for use with upflow, downflow, or horizontal furnaces. Field installed accessories are available as needed.

WARRANTY

5-year limited parts warranty. 10-year limited compressor warranty. Premium System Warranty - Limited lifetime compressor and 10- year parts when matched with an approved Luxaire Acclimate furnace or UPG air handler and coil.

FEATURES

• **Superior Coil Protection** - A PVC coated steel coil guard completely protects coil from debris and other large damaging material while a polymer mesh further protects the coil against smaller particles. • **Isolated Compressor Compartment** - A molded composite bulkhead isolates the compressor from the rest of the unit reducing sound and vibration. • **Protected Compressors** - Each compressor is protected against high and low pressure as well as excessive temperature. This is accomplished by the simultaneous operation of a high pressure relief valve and temperature sensors which protect the compressor if undesirable conditions occur. • **Environmentally Friendly Refrigerant** - Next generation refrigerant R-410A delivers environmentally friendly performance, with zero ozone depletion. • **Durable Finish** - Automotive quality finish provides the ultimate protection from harmful U.V. rays as well as rust creep ensuring longlasting high quality appearance. A powder-paint topcoat is applied over a baked-on primer, using a galvanized, zinc coated steel base material. The result is a finish that has been proven in testing to provide 33% greater durability than conventional powder-coat finishes. • **Lower Installed Cost** - Designed to provide enhanced installability by featuring a slide-down control compartment allowing easy access to control components along with angled service valves to reduce overall installation time and cost. • **Low Operating Sound Levels** - A fan design boasting technology adapted from aeronautic and defense engineering provides for whisper quiet operation by allowing airflow to flow smoothly and efficiently across the fan tips. • **Filter-Drier** - A factory installed, solid core liquid line filter-drier filters harmful debris and moisture from the system. • **Easy Service Access** - A full end, full service, access panel with handle makes for easy entry to internal components. • **Long Lasting Operation** - Strong and durable composite base pan provides added strength while resisting rust and corrosion as well as reducing sound and vibration. • **Silent drive system** - The swept-wing fan, composite base pan, isolated compressor compartment and two-stage compressor are engineered as a system to reduce overall sound to a mere whisper. • **Complete System Control** - All models utilize the exclusive microprocessor based, on-demand, defrost control system. This system provides optimal comfort, efficiency, and constant monitoring of the entire system for reliable operation. defrost cycles occur only when necessary. an adjustable balance point insures supplemental heat is brought on only when required to meet the space load, for optimum efficiency and reliability. • In the event improper operating conditions occur (high temperature and/or high pressure), the unit will automatically shut down to protect the refrigeration system, and switch to back-up heat. On-board diagnostic LED's guide the technician to the source of the problem, and an output signal from the control to the thermostat will alert the homeowner. The control also features non-volatile memory, which preserves trouble codes in the event of power loss. An anti-short cycle timer extends the life of the compressor by preventing shortcycling.

Part No	MBH Output	Voltage	Brkr Sz	Liqui d Line	Suctio n Line	Weight	Pad Size	TXV	Price
HL5B024F1	23,000	208-230/1	30	3/8	3/4	270	36 x 40	1TVM902	\$4,652
HL5B036F1	36,000	208-230/1	40	3/8	3/4	290	36 x 40	1TVM902	\$4,922
HL5B048F1	48,000	208-230/1	45	3/8	7/8	310	36 x 40	1TVM905	\$5,812
HL5B060F1	59,000	208-230/1	60	3/8	7/8	315	36 x 40	1TVM905	\$6,669

COIL MATCHUPS - H/P		
Model	2pc AHU	Coil & TXV
HL5B024F1	MV12BN21	MC36B3XH+1TVM902
HL5B036F1	MV16CN21	MC48C3XH+1TVM902
HL5B048F1	MV20DN21	MC61D3XH+1TVM905
HL5B060F1	MV20DN21	MC61D3XH+1TVM905

LUXAIRE EQUIPMENT

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ACCESSORIES

Part No	Desc	Price
1CT0302	CONCENTRIC VENT	\$124
1CT0303	CONCENTRIC VENT	\$149
1NK0301	CONDENSATE KIT	\$173
1NP0347-U	LP KIT	\$82
1NP0680	LP KIT	\$342
1TVM2A1	TXV	\$104
1TVM2C1	TXV	\$104
1TVM901	TXV	\$120
1TVM902	TXV	\$120
1TVM903	TXV	\$120
1TVM904	TXV	\$120
1TVM905	TXV	\$120
2HU16700124	HUMIDISTAT	\$131
2TC03700124	TWINNING KIT	\$581

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MOBILE HOME EQUIPMENT

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13 SEER PACKAGED AIR CONDITIONERS



The GPC13 Packaged Air Conditioner features energy-efficient cooling and heating performance. This unit allows for ground-level or rooftop applications and is approved for manufactured or modular homes.

Standard Features

Energy-efficient compressor with internal relief valve, PSC blower motor; X-13 motor used in 5-ton models, Quiet horizontal discharge. Copper tube/aluminum fin coil, Totally enclosed, permanently lubricated condenser fan motor, Fully charged R-22 system, 5 KW to 20 KW electric heat kit available as a field-installed option.

Cabinet Features

Heavy-gauge galvanized-steel cabinet with attractive Architectural Gray powder-paint finish.

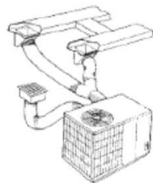
Part No	Seer	Total BTU	Nominal cooling CFM	Volt	Phase	Breaker	Filter size	Dimensions Footprint	Price
GPC1330H21A	13	28,000	1080	208/230	1	20	20x25x1	34" x 66"	\$3,105
GPC1336H21A	13	34,600	1205	208/230	1	30	25x25x1	34" x 66"	\$3,265

AUXILIARY HEAT PACKAGES



Part No	Description	For Models	Price
HKR-05	5KW Strip Heater	GPC	\$78
HKR-08CA	8KW Strip Heater	GPC	\$123
HKR-10	10KW Strip Heater	GPC	\$130

INSTALL KITS



Single wide kit includes:

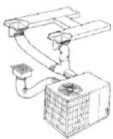
RETURN BOX & GRILL W/WASHABLE FLTR, SUPPLY FITTING W/DMPR, 12"X14' FLEX(W/CLAMPS)

Double wide kit includes:

RETURN BOX & GRILL W/WASHABLE FLTR, 2 SUPPLY FITTINGS W/DMPR, 12"X14' FLEX(W/CLAMPS), 12"X25' FLEX(W/CLAMPS), 12X12X12 WYE

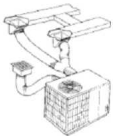
Part No	Description	Price
Single Wide	Single wide install Kit	\$192
Double Wide	Double wide install Kit	\$414

MISCELLANEOUS ACCESSORIES



Part No	Description	Price
7336.5801	Duct Connector w/ Damper	\$44

MISCELLANEOUS ACCESSORIES



Part No	Description	Price
11121212	12" x 12" x 12" Metal Wye	\$68
111214	12" x 14" Duct w/ 4 Clamps	\$72
112012	Accessory Kit	\$120

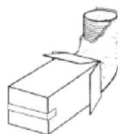
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MOBILE HOME EQUIPMENT

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FLEX DUCT



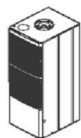
Part No	Description	Price
1101225	12" x 25' Flex Duct .047 C.P.E.	\$110
111214	12" x 14' Flex Duct .047 C.P.E.	\$72

BACKFLOW DAMPER



Part No	Description	Price
137900.6771	AC Backflow Damper -Gas/Oil Furnace	\$76

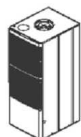
MANUFACTURED HOUSING GAS FURNACES



• 80%+ AFUE Manufactured Housing Gas Furnaces • Low Profile, 60" Height • Contoured Door Design • Full Louver High Impact Plastic Return Air Door • Standard Replaceable Filters (included) • Fail-Safe Auto-ignition System • Approved for Mobile / Modular Homes

Part No	Input Btuh	Description	Afue Btuh	Wt	Dimensions	Price
DGAH056	56,000	Auto Ignition	80	131	60" x 19.5" x 24.5"	\$1,444
DGAH077	77,000	Auto Ignition	80	131	60" x 19.5" x 24.5"	\$1,310

MANUFACTURED HOUSING OIL FURNACES



• 80%+ AFUE Manufactured Housing Oil Furnaces • Contoured Door Design • Full Louver High Impact Plastic Return Air Door • Standard Replaceable Filters (Included) • Fail-Safe Auto-Ignition System • Approved for Mobile / Modular Homes • Compact Oil Gun Furnace - Downflow

Part No	Btu Input	Description	Afue	Wt	Dimensions	Price
DFAH066	66,000	Auto Ignition	75.3	175	60" x 19.5" x 24.5"	\$2,468
DFAH084	84,000	Auto Ignition	75.3	175	60" x 19.5" x 24.5"	\$2,540

MANUFACTURED HOUSING GAS FURNACES W/COIL CABINET



• 80%+ AFUE Manufactured Housing Gas Furnaces • A/C Ready to 4 Tons • Built-In Coil Cabinet • Contoured Door Design • Full Louver High Impact Plastic Return Air Door • Standard Replacable Filters (included) • Fail-Safe Auto-ignition System • Approved for Mobile / Modular Homes • Gas Furnace - Downflow / Automatic Ignition - UI/Cul Approved

Part No	Input Btuh	Description	Afue	Wt	Dimensions	Price
DGAA056	56,000	Auto Ignition	80	146	76" x 19.5" x 24.5"	\$1,514
DGAA077	77,000	Auto Ignition	80	146	76" x 19.5" x 24.5"	\$1,918
DGAA090	90,000	Auto Ignition	80	146	76" x 19.5" x 24.5"	\$1,534

MANUFACTURED HOUSING OIL FURNACES W/COIL CABINET



• 80%+ AFUE Manufactured Housing Oil Furnaces • A/C Ready to 3 Tons • Built-In Coil Cabinet • Contoured Door Design • Full Louver High Impact Plastic Return Air Door • Standard Replacable Filters (included) • Fail-Safe Auto-ignition System • Approved for Mobile / Modular Homes • Gas Furnace - Downflow / Automatic Ignition UI/Cul Approved

Part No	BTU Input	Description	Afue	Wt	CFM 3" WC	Dimensions	Price
DFAA066	66,000	Auto Ignition	80.0	173	1175	76" x 20" x 24"	\$2,564
DFAA084	84,000	Auto Ignition	80.0	173	1175	76" x 20" x 24"	\$2,640

MOBILE HOME EQUIPMENT

HVAC DISTRIBUTORS INC

MOBILE HOME EQUIPMENT

Call or visit one of our 4 locations.

DOWNFLOW COILS



Downflow coils for use in the DGAA and DFAA furnaces.

Part No	Tonnage	Description	TXV	Price
MV524-36	2-3 TON	Downflow Coil	X1-4	\$506
MV734-48	3-4 TON	Downflow Coil	X1-4	\$594
X1-4	2-4 TON	TXV		\$112

ROOF JACKS



Part No	Description	Wt	For Use with	Price
084000.7141	Roof Jack – 99"-120" – From Floor to Flange of Roof Jack	26	DGAA, DGAH, DFAA, & DFAH	\$204
084000.7151	Roof Jack – 106"-132" – From Floor to Flange of Roof Jack	30	DGAA, DGAH, DFAA, & DFAH	\$252
084000.8181	Removable Crown – 115"-145" – From Floor to Flange of Roof Jack	36	DGAA, DGAH, DFAA, & DFAH	\$302
087900.6171	Interior Roof Jack Inside Extension, 17" Height – 6 Pack	36	DGAA, DGAH, DFAA, & DFAH	\$84
7680.6541	External Roof Jack Extension – 18"	7		\$66

OIL PRODUCTS

CARLIN COMBUSTION TECHNOLOGY

CONTROL 30 SEC INTERRUPTED DUTYCONTROL 30SEC INTERRUPTED DUTY



Part No	Description	Price
42230	Ignition Controller	\$143

IGNITION TRANSFORMERS & IGNITORS

14K ELECTRONIC TRANSFORMERS

CAD CELL CONTROL/IGNITOR



Part No	Description	Price
40100-02-CAS	15 sec f/Carlin	\$238

CONSTANT DUTY IGNITOR (14K)



Part No	Description	Price
41000S	Transformer 14000V	\$83

MODEL 60200 CAD CELL

MICROPROCESSOR OIL PRIMARY CONTROL



- Interrupted Duty Ignition • Recycle on Flame Failure • Serviceman Reset Protection (Latch-up after three consecutive lockouts) • Diagnostic LED's • Valve Delay on/motor Delay OFF (Pre/post purge - Contact Carlin for Available Timings)• 15 Second Trial for Ignition (TFI) Other Timings Available • 1.3 Second Flame Failure response time (FFRT) • Alarm Contacts • Thermostat/aquastat Compatible • SMC (Safety Monitoring Circuit) Technology • Limit Circuit Input (Black Wire): 120 vac, 60 Hz

Part No	Power	Motor	Load				Operating Temperat ure Limits	Storage Temperat ure Limits	Thermost at Anticipat or Current	Cad Cell Resistanc e with Flame	Price
			Ignitor	Valve	Alarm Contacts						
60200	120 vac/60Hz/1- Phase	10 FLA,60 LRA	120 vac,60 Hz, 500 VA	120 vac,60 Hz, 0.3 Amps	24 V, AC/DC,2 Amps	+ 32°F to + 140°F	-40°F to +185°F	0.2 A, AC	R < 1500 OHMS	\$205	

OIL BURNERS & ACCESSORIES

CARLIN OIL BURNER REPLACEMENT PARTS & ACCESSORIES

MOUNTING FLANGE AND/OR PEDESTAL



Part No	Description	Price
97406	Outside Air Inlet Boot, EZ-1	\$133

OIL PRODUCTS

OIL PRODUCTS

CROWN ENGINEERING

ANTI-HUM DEVICE & PUMP STRAINERS

**Includes:**

Strainer and matching gasket as specified above. Made of stainless steel mesh, attached to sturdy nylon ends for long lasting support. Our ribbed design insures maximum filtration. Used in Suntec models J and H pumps.

Part No	Description	Price
45676	Model "J,H,S," Pump Strainers	\$5

**Includes:**

Strainer and matching gasket as specified above. Made of stainless steel mesh, attached to sturdy nylon ends for long lasting support. Our ribbed design insures maximum filtration. Used in Suntec model A70 pumps.

Part No	Description	Price
45678	Model "A" Pump Strainers	\$5

BURNER & PUMP COUPLERS

COUPLER TUBING, END CAPS & CUTTER



Part No	Description	Price
HK	Handi-Cutter	\$18

FILTERING FELT FILTERS-12 PK.



Part No	Description	Price
41420-12	Felt Filter Elements	\$8

CAD CELL EYES AND LEADS

**Includes:**

Our flame detectors are hand crafted and tested twice, once before assembly, and after. The C-10 is a direct replacement in the Honeywell C554A, Honeywell replacement cell part numbers 130367, 120320 and 124607. Made of a hermetic glass to metal seal, and cadmium sulfide for sensing, you'll find this sensor to be the best of it's kind.

Part No	Description	Voltage	Max		Method Of Sensing	Durning Firing	Price
			Cell Surface Temp	Resistance			
45610	C-10 Flame detector	30 VAC	180 Degrees Fahrenheit	Min. 300 OHMS	Cadmium Sulfide	Max. 1,600 OHMS	\$10

FILTERS

**Includes:**

12 - boxed filters in a master carton. Heating Units...Small Engines...Steam Jennies This small 24104 spin-on filter provides effective filtration for a number of applications ranging from household heating, curing sheds, hatcheries, greenhouses, space heaters, outboard motors, and small engines. The steel housing is strong and durable while the paper filter element delivers a clean supply of fuel for faultless combustion. This filter is approved!

Part No	Description	Price
41440-12	Spin-On Wix Filter Elements	\$48

OIL PRODUCTS

CROWN ENGINEERING

FIROMATIC FUSIBLE & OSV VALVES



Includes:
1 - Firomatic® Fusible Valve from above list Designed to automatically close when acted upon by heat of 165°F, unless otherwise specified. This valve has been designed with the fusible element in the handwheel, simply replace the low cost hand wheel to reset and restore the valve, eliminating the need to replace the valve. These valves can be operated manually and are provided with self-adjusting stuffing box and back seat features, which prevent leaks at the valve stem. Valve bodies are made of machined brass or cast bronze to reduce the erosion caused by fuel oil. The other internal parts are designed for long life and dependability. The best in it's class!

Part No	Description	Price
B205F - 1/2" Flair Valve	Firomatic® Fusible Valves	\$45

GAUGE GLASS

STANDARD GAUGE GLASS



Standard Soda Lime Gauge Glass:
Available in 6 and 12 packs. 48" & 60" sold per each. This glass is widely used in low pressure steam boiler applications. Easily cut to size. Use Crown's Squeeze & Pop cutter #40420. Sizes are standard. Other lengths are available on request. Minimum quantities required on special orders.

Maximum Recommended Working Pressure, PSI					
Part No	Outer Diameter	Over-All Length	Temp up to 150° F	Steam Boiler up to 425	Price
58GG12	5/8"	12"	205	100 psi	\$5

LONG SHANK ANGLE VALVE



Part No	Description	Price
B104CF	3/8" Flare x 1/4" NPT(m) x 1 5/8" Long Shank Angle Valve	\$33
B204CF	1/2" Flare x 1/4" NPT(m) x 1 5/8" Long Shank Angle Valve	\$48

OEM REPLACEMENT AIR CONES

AIR CONES FOR WAYNE BURNERS



Wayne's line of high performance stainless steel and cast iron air cones makes for higher efficiency, lower emissions, lower nozzle temperatures and improved flame control to prevent smoke and soot build-up, which is an important feature, since soot can block efficient heat transfer and reduce efficiency.

Part No	Burner Model Number	Firing Rate GPH	Material Type	Price
100333	#SE for HSRH-1	.60	Stainless Steel	\$50

OIL HANDLING & FILTRATION

FUSEABLE VALVE



Includes:
1 - Firomatic® Fusible Valve Designed to automatically close when acted upon by heat of 165° F, manufactured primarily for oil burner installation. This valve has been designed with the fusible element in the handwheel, simply replace the low cost handwheel to reset and restore the value, eliminating the need to replace the value. Thses valves can be operated manually and are provided with self-adjusting stuffing box and back seat feature, which prevents leaks at the valve stem.

Part No	Description	Price
43003	Firomatic® Fusible Valve	\$28

OIL PRODUCTS

CROWN ENGINEERING

OIL HANDLING & FILTRATION

OIL LINES & KITS



Our oil lines are made of genuine Mueller Streamline® dehydrated and nitrogen purged sealed copper tubing. It is of a consistent dead soft temper, bright, and thoroughly dried. A cleaning and drying process removes moisture and contaminants and is manufactured in accordance with ASTM-B-280 and ANSI-B9.1 refrigeration industry standards. We do the field work for you...we cut, add flair nuts, flair each open end, & package. We offer a variety of lengths to meet your needs!

Part No	Dimension	Form	Price
40451	3/16" Dia. x 8" Long	Straight	\$5
40454	3/16" Dia. x 12" Long	Straight	\$5
40455	3/16" Dia. x 16" Long	Coiled	\$5
40457	1/4" Dia. x 16" Long	Coiled	\$8

PUMP STRAINER GASKETS

**Includes:**

Strainer gaskets as specified above. Your the boss at Crown! You can choose from a standard pkg. of 12 gaskets or you can buy them bulk in the quantities you want. Our gaskets are impervious to oil, and insure a tight seal. Used in Suntec model A pumps.

Part No	Description	Price
40678	Model "A" Pump Strainers - Gasket Only	\$5

**Includes:**

Strainer gaskets as specified above. Your the boss at Crown! You can choose from a standard pkg. of 6 gaskets or you can buy them bulk in the quantities you want. Our gaskets are impervious to oil, and insure a tight seal. Used in Suntec models J and H pumps.

Part No	Description	Price
60676	Model "J,H,S" Pump Strainers - Gasket Only	\$0

QUICK SPIN LI - SPIN ON FILTERS

**Includes:**

6 - Individual wrapped filter elements with "O"-ring post gasket. Designed for superior filtration, 10 micron! Our Quick Spin I replaces Gar-Ber's® R cartridge and mounts on existing Gar-Ber® heads, or you can use our own (see part number 41437).

Part No	Description	Price
41436-06	"Quick Spin II," Spin on filter - Elements only	\$20

SERVICE TOOLS

**Includes:**

1 - Blowout gun and instruction sheet. Our blowout gun uses a CO₂ cartridge (sold separately) and incorporates a 1/4" NPT female connection, that can be adapted to other fittings. It is intended for use in blowing out clogged lines that are vented beyond the restricted point to the atmosphere. It should not be used in a closed end line. Applications include fuel oil lines, machine lubrication systems, instrument transmission lines, and hydraulic pipelines. The blowout gun with the built in check valve allows the user the ability to remove used CO₂ cartridges without pressure line loss. You can then add additional CO₂ cartridges as needed, up to 150 psi.

Part No	Description	Price
40428	Blowout Gun	\$55
40490	CO2 Cartridges	\$15

SILICONE IGNITION WIRE & GTO CABLE

**Includes:**

1 - Spool of GTO-15 cable Our TUF-HIDE MINI SUPERFLEX® GTO-15 cable is made of solid thermoplastic elastomer. Applications include: Transformer cable leads, ignition leads, and wire connections not to exceed our listed specifications. UL and CSA listed.

2 - Spool of silicone cable An advanced silicone rubber insulated ignition wiring material. Used in ovens, furnaces, air conditioning equipment and other gas fired appliances. It has been found acceptable in ignitor devices tested by the American Gas Association Laboratories. UL listed.

Part No	Description	Price
41652	7mm GTO-15 cable	\$10
41661	7mm Silicone cable	\$23

OIL PRODUCTS

CROWN ENGINEERING

STANDARD ELECTRODES & KITS

BECKETT AND CARLIN TUNE-UP KITS



Includes: 2 - Electrode assemblies 1 - Yellow electrode setting gauge 1 - Red electrode setting gauge 1 - Instruction sheet 1 - KK100 coupler w/end caps 1 - 12" L x 3/16" Dia. copper oil lineFor use on burner models 98 - 102, elite, 201 CRD & 301 CRD

Part No	Description	Price
40286K	Carlin Electrode Tune Up Kit	\$40



Includes: 2 - Electrode assemblies w/connector studs 2- Extension rods 2 - 10/32 Hex nuts 1 - Instruction sheet 1 - KK100 coupler w/end caps 1 - 12" L x 3/16" Dia. copper oil lineFor use on burner models AF, AR, SF, & SR burners up to 9" air tube combinations (Setting gauge sold separately, order P/N: 40443)

Part No	Description	Price
5780K	Beckett Electrode Tune Up Kit	\$35



Includes: 2 - Electrode assemblies w/connector studs 2 - Secondary support insulators 2 - Extension rods 2 - 10/32 Hex nuts 1 - Instruction sheet 1 - KK100 coupler w/end caps 1 - 12" L x 3/16" Dia. copper oil lineFor use on burner models AF, AR, SF, & SR burners over 9" air tube combinations (Setting gauge sold separately, order P/N: 40443)

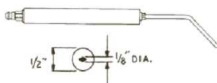
Part No	Description	Price
5782K	Beckett Electrode Tune Up Kit	\$40

BUSS BARS



Part No	Description	Quantity	Price
40320	Flat buss bar - 12" long	2 ea.	\$5

STANDARD ELECTRODES



Part No	Electrode Part Number	Length Of Insulator	Price
14040	04040	4"	\$8

OIL PRODUCTS

OIL PRODUCTS

CROWN ENGINEERING

STANDARD ELECTRODES & KITS

WEIL-MCLAIN & WAYNE TUNE-UP KITS



Includes: 2 - Electrode assemblies (13286) 2 - Electrode Stems (12550) 2 - Buss bars 8" (10004-015) 2 - Insulator bushings (12408) 1 - Oil line 3/16" X 8" L (14452) 1 - Coupler w/end caps (13279) 1 - Setting gauge (14200) 1 - Elbow (13494) 1 - Buss bar support (13276) 1 - Instruction sheetFor use on burner models M, MSR, MH, ERA, EH, EHA, EHASR, OE, & OEA.

Part No	Description	Price
31156K	Wayne Electrode Tune Up Kit	\$43



Includes: 1 - Electrode assembly w/buss bar (21666-013) 1 - Electrode assembly w/buss bar (21667-013) 1 - Setting gauge (14200-002) 1 - Oil line 3/16" X 8" L (14452) 1 - Coupler w/end caps (100386) 1 - Elbow (13494) 1 - Buss bar support (13276) 1 - Instruction sheetFor use on Blue Angel burner model HS

Part No	Description	Price
31157K	Wayne Electrode Tune Up Kit	\$43

TANK VALVE



Part No	Description	Price
141TF	1/2" NPT(m) x 3/8" NPT(m) Tank Valve	\$58

TERMINAL CONNECTORS



Part No	Description	Price
52355	Knurled Contact Post 10-32 THD.	\$23

TOOLS, GLASS & V-BELTS

GAUGE GLASS WASHERS



Part No	Washer Specification					Price
	Glass Diameter	ID	OD	Wall		
GGW58	5/8"	9/16"	11/16"	1/4"		\$5

OIL PRODUCTS

OIL PRODUCTS

HIGHLAND TANK & MANUFACTURING

HIGHLAND TOUGHTANK OIL STORAGE TANKS

HORIZONTAL TANKS



Standard Features:

• 12 Gauge All-Steel Construction • Convenient Handle on each Head • UL Labeled
Highland 12 gauge TOUGHTANKS are available in 137, 275 and 330 gallon capacities and are UL-80 labeled for fuel oil use. A UL-142 label is available on request. For added security, the 275 and 330 gallon TOUGHTANKS are also available in double-wall (DW) construction.

Part No	Tank Capacity (Gallons)	Width	Dimensions Depth	Length	Approximate Weight (lbs)	Price
275H-12G A	275	44"	27"	60"	279	\$915

VERTICAL TANKS



Standard Features:

• 12 Gauge All-Steel Construction • Convenient Handle on each Head • UL Labeled
Highland 12 gauge TOUGHTANKS are available in 137, 275 and 330 gallon capacities and are UL-80 labeled for fuel oil use. A UL-142 label is available on request. For added security, the 275 and 330 gallon TOUGHTANKS are also available in double-wall (DW) construction.

Part No	Tank Capacity (Gallons)	Width	Dimensions Depth	Length	Approximate Weight (lbs)	Price
137V-12GA	137	27"	44"	30"	170	\$878
230V-12GA	230	22"	44"	60"	170	\$1,160
275V-12GA	275	27"	44"	60"	279	\$857
330V-12GA	330	27"	44"	72"	320	\$1,150

ROTH

DOUBLE WALL OIL TANKS



ROTH double-wall tanks are designed to offer the highest level of environmental protection. Every inner ROTH tank is made of blow-molded, high-density polyethylene that is seamless and absolutely leak-proof and corrosion-resistant. In addition, ROTH tanks feature top connections to ensure the oil stays where it should. The outer tank is made of leak-proof corrosion-resistant galvanized steel which is capable of containing at least 110% of the capacity of the inner tank for maximum protection. The outer tank is rollseamed (no welds) with an oil and fire resistant seal, making it one of the safest and most reliable tanks on the market. Quality control of our finished products is carried out according to ISO 9001 standards, ensuring consistently superior quality. Each tank undergoes thorough testing, including ultrasound tests to ensure optimal thickness of plastic and pressure testing to ensure tank is completely sealed. ROTH tanks can be used for heating oil or diesel fuel.

Part No	Tank Capacity (Gallons)	Width	Height	Length	Approximate Weight (lbs)	Desc	Price
DWT-1000L	275	28"	61"	43"	185	Tank only	\$1,470
DWT-165-PKG	165	28"	61"	29"	143	Tank w/gauge & alarm	\$1,164
DWT-275-PKG	275	28"	61"	43"	185	Tank w/gauge & alarm	\$1,402
DWT-620L	165	28"	61"	29"	143	Tank only	\$1,260

ACCESSORIES



Part No	Desc	Price
1115007012	Fuel oil gauge 620L, 1000L	\$70
1135001863	Oil tank cover 1000L	\$522
3335100757	3/8 Duplex bushing w/fittings	\$58
3350000026	Dual tank kit #1 400L,620L,1000L	\$674
3350000999	Metal Ventalarm	\$128

OIL PRODUCTS

MITCO MANUFACTURING

FUEL OIL FILTERS FOR ALL TYPES OF OIL FIRED HEATING EQUIPMENT

UNIFILTER 77 & 99 FUEL OIL FILTER



- Leakproof construction with machined gasket seat and UL listed gasket compounds.
- High quality wool felt filter elements that remove all solid contaminants.
- Iron and steel construction for maximum integrity and durability.
- Low pressure drop, suitable for gravity flow and one or two pipe systems on pressure type burners.
- Micronic filtration suited to the smallest oil burner nozzle.
- Bonding treatment of center core in filter element eliminates lint.
- Step design element offers largest dirt capacity with true depth filtration.
- Listed by Underwriters' Laboratories.

Part No	Height	Diameter	Weight	Pipe Size	Firing Rate-#2 Fuel Oil	Replacement Element	Felt		Price
							Surface	Volume	
77	5-1/8 in.	3-5/8 in.	2.2 lbs.	3/8" N.P.T. STD.(1/4" Available)	10 G.P.H.	Pt. No. 88	41 Square Inches	11.5 Cubic Inches	\$28
99	5-1/8 in.	3-5/8 in.	2.2 lbs.	3/8" N.P.T. STD.(1/4" Available)	10 G.P.H.	Pt. No. 88	41 Square Inches	11.5 Cubic Inches	\$44

REPLACEMENT CARTRIDGES FOR ALL TYPES OF FUEL OIL FILTERS

UNIFILTER REFILLS



Unifilter Refills 88-CR & 101 are crafted with special "step design" wool felt element. Special center core bond treatment eliminates lint. For Unifilter Models 77 and 99, they offer unsurpassed quality and dependability.

Part No	Description	Price
88-CR	Oil Filter Repl Cartridge 10 MICR	\$2
101	Oil Filter Repl Cartridge 10 MICR	\$50

UNIFILTER RF-SERIES REFILLS



Unifilter RF-Series Refills are crafted with quality from continuous spun Rayon fibers with an exclusive gear tooth design for maximum surface area and enhanced depth filtration. The unique density specifications allow collection of contaminants deep into the filter as opposed to other designs which surface load only. The RF-1 is UL-listed for the 1A-25A/Unifilter 77 and the RF-2 is listed for the 2A-700A/99. The RF-4, RF-5 and RF-6 are designed to fit other filter brands. Only the RF series is quality engineered for today's demanding filtration needs, and is conveniently packaged in its own wide-mouthed disposal bag for maximum convenience.

Part No	Height	Diameter	Weight	Pipe Size	Firing Rate-#2 Fuel Oil	Replacement Element	Felt		Price
							Surface	Volume	
RF-1	5-1/8 in.	3-5/8 in.	2.2 lbs.	3/8" N.P.T. STD.(1/4" Available)	10 G.P.H.	Pt. No. 88	41 Square Inches	11.5 Cubic Inches	\$2
RF-2	6-1/4 in.	4-3/8 in.	3.4 lbs.	3/8" N.P.T. STD.(1/4" Available)	25 G.P.H.	Pt. No. 101	83 Square Inches	21.3 Cubic Inches	\$4
RF-4	6-1/4 in.	4-3/8 in.	3.4 lbs.	3/8" N.P.T. STD.(1/4" Available)	25 G.P.H.	Pt. No. 101	83 Square Inches	21.3 Cubic Inches	\$2

OIL EQUIPMENT

DUPLEX TANK BUSHINGS

3-WAY TAP (SLIP-THRU MALE COMPRESSION FITTINGS)



- Gray iron casting, 2" male NPT for above ground or underground installations
- Single bottom NPT tap allows protection of supply tubing
- Available with or without fittings
- Fittings available for 3/8", 1/2", and 5/8" copper tubing

Part No	Bushing Male NPT	Compression Fittings	Price
BLFDUBUSH - 2 x 38	2"	3/8" x 3/8"	\$28

OIL PRODUCTS

OIL EQUIPMENT

FILL CAPS

ONE PIECE FILL CAPS



- Economical one-piece design
- Available in cast iron or aluminum
- 2" female NPT
- Opens with pass key (sold separately)

Part No	Size	Threads	Made Of	Price
IFC-2	2"	Female NPT	Cast Iron	\$8

VENT CAPS

MUSHROOM VENT CAPS



- This popular style is used in the majority of installations in the United States, Alaska, and Canada
- Rust-resistant galvanized cast iron design is available in female NPT sizes from 3/4" to 4"
- Each cap is designed with a 30 mesh screen, to prevent debris from entering the vent pipe

Part No	Size	Price
4023	1-1/4"	\$30
4025	2"	\$10

R W BECKETT CORP

RESIDENTIAL OIL BURNER



Capacities: 0.40 to 3.00 gph 56,000 to 420,000 BTU/hr input **Electrical Characteristics** **Motor:** 3450 rpm, NEMA M-flange, manual reset overload protection **Power Supply:** 120 V./60Hz./1 phase **Ignition:** 10,000 V./23 ma. secondary, continuous duty shielded transformer **Operating Load:** 5.8 amps (maximum) **Alternated Voltages or Frequency:** Consult Customer Service

Part No	Size	Firing Rate Min-Max GPH	Burner Head	Height	Width	Depth	Price
AF44	4-1/2"	Less Head	Less	11-1/2'	12-7/8'	6-9/16'	\$55
AF47	4-5/8"	Less Head	Less	11-1/2'	12-7/8'	6-9/16'	\$55
AF53	5-3/8"	Less Head	Less	11-1/2'	12-7/8'	6-9/16'	\$55
AF130	13"	Less Head	Less	11-1/2'	12-7/8'	6-9/16'	\$73
AF160	16"	Less Head	Less	11-1/2'	12-7/8'	6-9/16'	\$73

AF OIL BURNER

HEAD



Part No	Firing Rate (GPH) (Min-Max)	Static Plate Size (Inches)	Price
F0	0.40-0.75	3 3/8U	\$10
F3	0.75-1.25	2 3/4	\$43
F4	0.85-1.35	2 3/4	\$43
F6	0.85-1.65	2 3/4	\$10
F12	1.10-2.00	2 3/4	\$13
F22	1.65-2.50	2 3/4	\$18
F31	2.50-3.00	None	\$15

OIL PRODUCTS

OIL PRODUCTS

R W BECKETT CORP

AF OIL BURNER

REPLACEMENT PARTS



Part No	Description	Price
3616	Gasket only	\$8
3634BK	Flange Universal	\$10
5432	Flange - Universal, Adjustable, Incl. Gasket Only	\$15

AF/AFG OIL BURNER

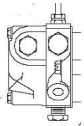
REPLACEMENT PARTS



Part No	Description	Price
5685	Pedestal kit	\$23
51304	Igniter Gasket Kit	\$5
51360	Heat Shield, Ceramic or Fiber	\$28

AFII OIL BURNER

REPLACEMENT PARTS



Part No	Description	Price
2393U	CleanCut Fuel Pump, (Includes Mounting Screws 1/4 -20 x 7/8" - Part # 4189)	\$538
7456U	R7184B - valve-on delay	\$128
7458U	R7184P - with alarm contacts	\$178
21438U	AFII 150 (4 1/2" x 2" tablock)	\$23
51484U	Replacement Kit (HLX heads)	\$33

HEAT MANAGER

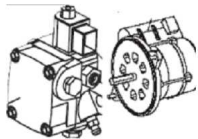


Features & Benefits: • Improves overall heating system efficiency • Guaranteed to reduce heating fuel consumption 10 - 20% • Reduces boiler on/off cycles by up to 30% • Reduces wear and tear on boiler and components • Works with any fuel • 15 - 30 minute installation

Part No	Dimension	Operating Humidity	Control Circuit	Power Input	Relay Contact	Ambient Operating Temperature	Price
7512	4" H x 4" W x 2 1/2" D	5% - 95% Non Condensing	24 VAC/DC, 115/220 VAC	24/115/220 VAC @ 5W	10A @220 VAC General Purpose	- 10° to 120° F	\$448

NX OIL BURNER

REPLACEMENT PARTS



Part No	Description	Price
21805U	PSC Motor, (Requires Mounting screws 1/4 -20 x 7/8" - Part # 4189)	\$135
2184404U	Clean Cut Pump	\$150

OIL PRODUCTS

RIELLO BURNERS NORTH AMERICA

120 OIL BURNERS & ACCESSORIES

RIELLO BURNERS & BURNER PARTS

40 SERIES OIL BURNERS



- Efficiency ratings of close to 90%
- 10 second prepurge cycle
- Completely pre-wired for easy installation

Part No	Description	Price
7001029	530 E Primary Control	\$240

OIL BURNER

40-SERIES



Quality engineered to our proven world-class standard, Riello 40-Series oil-fired burners are built for maximum uptime. Riello 40-Series high-efficiency oil burners not only deliver low energy consumption and quiet, worry-free performance, they're the most reliable combustion technology on the market. And Riello 40-Series oil burners offer a host of advanced features - such as durable, lightweight, compact construction; an integrated electronic control box with interrupted ignition; available with or without an automatic air shutter that eliminates heat loss and enhances efficiency. Easy to install and service, and backed by coast-to-coast support, Riello 40-Series oil-fired burners are available in seven models with firing rates from 0.5 to 6.4 US gph to handle a complete range of residential and light-commercial/industrial applications.

Part No	Firing			Pump Pressure-Range	Motor Ratings	Price
	Rates GPH	Rates Btuh x 1,000	Rates kW/hr			
F-5	0.75 - 1.65	105 - 231	30 - 67	120 - 200 psi	120v 60Hz 3250rpm	\$923
F-15	2.55 - 5.75	357 - 805	104 - 236	120 - 200 psi	120v 60Hz 3250rpm	\$1,598
F-20	3.50 - 6.40	490 - 896	143 - 263	120 - 200 psi	120v 60Hz 3250rpm	\$2,090

SCULLY SIGNAL CO

OIL TANKS & ACCESSORIES

SCULLY TANK FILL SIGNALS

VENTALARM SIGNALS



Scully tank fill signals whistle when the tank is filling. When the whistle stops, the tank is full. The calibrated whistle stems allow for product expansion and may be cut for flat style tanks. A patented screen keeps the whistle chamber free from pipe scale and bugs.

Part No	Description	Price
VS-521	Vent Alarm Signal 2 ^ X 1.25^	\$33
VS-528	Vent Alarm Signal 2 ^ X 2^	\$53

SCULLY TANK GAUGES

ECON-O-GAGES



- Inexpensive and accurate level indicator
- Leak-proof construction with non-rusting zinc casting
- Dual bushing fits both 1 1/2" & 2" tank holes

Part No	Description	Price
EG-215	Tank Gaug Only 42-44^ 1-1/2&2^	\$33
EG-216	Tank Gauge 26-27^ Depth	\$35

OIL PRODUCTS

SCULLY SIGNAL CO

OIL TANKS & ACCESSORIES

SCULLY TANK GAUGES

SNORKEL GAUGES



- Takes clean, dry fuel from 1" below the surface • Provides a return line opening• Two piece assembly makes installation easier • One unit fits both 1 1/2" & 2" tank bushings

Part No	Description	Price
10159	Sight Glass Vial & Gasket(10159)	\$15

VENTALARM GAUGES



Scully tank gauges feature durable and leak-proof construction. They have easy to read level indicators and are simple to install.

- One unit fill alarm and level indicator saves installation costs
- Protects against spills

Part No	Description	Price
VG-126-26-27	Vent Alarm Gauge	\$63
VG-126-42-44	Vent Alarm Guage 2^X1-1/4^ 42-44	\$55
VGC-42-44	Vent Alarm Gauge 2^ X 2^ 42-44^	\$65

SUNTEC INDUSTRIES

MODEL A-7000

SINGLE-STAGE FUEL UNITS



- Single-pipe installations to 6" hg. vacuum • Two-pipe installations to 12" hg. vacuum • Lift or gravity feed applications with 10 psi maximum inlet/return pressure • Choice of 1725, 2850, 3450 rpm• Suitable for no. 2, no. 1 fuel oil, or kerosene • Mounting in any position • Factory-set at 100 psi • Adjustable range 100-150 psi at 3450 rpm, 100-135 psi at 1725 rpm. Models available to 200 and 300 psi.

Part No	RPM	Rotation1	Strainer & Nozzle Rating at 100 psi	Price
A1VA-7112	1725	R.H.	3 gph	\$133
A2VA-3006	3450	RH	3 gph	\$110
A2VA-7116	3450	R.H.	3 gph	\$128

PARTS

MOTORS & ARMATURES INC

098 SERIES PSC MOTORS

VERTICAL OUTDOOR CONDENSER FAN MOTORS SHAFT-UP/DOWN

825 RPM - SINGLE SPEED - STANDARD EFFICIENCY - BALL BEARINGS - 8 POLE



Part No	HP	Volts	Amps	Rpm(1)	Cap Req	Price
3202	1/8	208-230	1.1	825	5/370	\$383
3204	1/4	208-230	1.5	825	7.5/370	\$318

043 SERIES SPLIT PHASE MOTORS

ECONOMY MODEL BELTED FAN AND BLOWER MOTORS

1725 RPM - REVERSIBLE ROTATION - 4 POLE



Dimensions								
Part No	HP	Volts	B	C	D	SF	Nema Frame	Price
4706	1/3	115	6.61	3.0	1/2	1.35	48/56	\$183
4708	1/2	115	6.91	3.0	1/2	1.25	48/56	\$243

047 SERIES SPLIT PHASE MOTORS

OIL BURNER MOTORS

3450 RPM - 2 POLE



Part No	HP	Volts	Amps	Rpm(1)	Nema Frame	Con-Struction	Lug Centers	Flange Rabbett	Price
4785	1/4	115	3.60	3450	48N	encl.	7.25	6.38	\$268

950 SERIES MOTOR ACCESSORIES

GE TECMATE XL SERVICE TOOL



Part No	Description	Price
08500	TECMate XL	\$190

MOTOR

PLASTIC RAIN SHIELDS



Part No	Description	Price
93581	63/4 in. diameter for motors with 1/2 in. diameter shaft	\$23

PARTS

MOTORS & ARMATURES INC

OIL BURNER MOTORS

1725 RPM - 4 POLE



Part No	HP	Volts	Amps	Rpm(1)	Dimensions		Nema Frame	Con-Struction	Lug Centers	Flange Rabbett	Price
					A	B					
4782	1/8	115	2.60	1725	1.84	5.34	48N	encl.	7.25	6.38	\$178

3450 RPM - 2 POLE



Part No	HP	Volts	Amps	Rpm(1)	Dimensions		Nema Frame	Con-Struction	Lug Centers	Flange Rabbett	Price
					A	B					
4779	1/7	115	2.35	3450	1.88	5.12	48M	encl.	6.75	5.50	\$160

Part No	HP	Volts	Amps	Rpm(1)	Nema Frame	Con-Struction	Lug Centers	Flange Rabbett	Price
4784	1/6	115	3.50	1725	48N	encl.	7.25	6.38	\$168

SOS MULTI-HORSEPOWER DIRECT DRIVE BLOWER MOTORS

1075 RPM MULT-HORSEPOWER REVERSIBLE ROTATION - 6 POLE



Part No	HP	Volts	Amps	Price
3463	1/2, 1/3, 1/4, 1/5, 1/6	115	6.2	\$225
3464	1/2, 1/3, 1/4, 1/5, 1/6	208-230	2.7	\$230
3466	3/4, 1/2, 1/3, 1/4, 1/5	115	8.4	\$323
3467	3/4, 1/2, 1/3, 1/4, 1/5	208-230	4.2	\$328

SOS MULTI-HORSEPOWER OUTDOOR CONDENSER FAN MOTORS

1075 RPM - 6 POLE



Part No	HP	Volts	Amps	Dimensions			Price
				A	B	C	
3465	1/3, 1/4, 1/5, 1/6	208-230	2.60	5.00	4.73	1/2	\$208
3468	1/2, 1/3, 1/4, 1/5	208-230	3.00	5.00	5.48	1/2	\$300

825 RPM - 8 POLE



Part No	HP	Volts	Amps	Dimensions		Price
				B	C	
3469	1/3, 1/4, 1/5, 1/6	208-230	1.9	5.48	1/2	\$265

MOTORS & ARMATURES INC

CONDENSER FAN MOTORS

1075 RPM - SINGLE SPEED - STANDARD EFFICIENCY - BALL BEARINGS - 6 POLE



Part No	HP	Volts	Amps	Rpm(1)	Cap Req	Price
03732	1/4	208-230	1.8	1075	5/370	\$200
03728	1/4	208-230	1.8	1075	5/370	\$148
03729	1/3	208-230	2.2	1075	7.5/370	\$158
03731	3/4	208-230	5.2	1075	12.5/370	\$228
03735	3/4	208-230	5.1	1075	10/370	\$258

BLOWER MOTORS

1075 RPM - SINGLE SPEED - STANDARD EFFICIENCY - BALL BEARINGS - 6 POLE



Part No	HP	Volts	Amps	Rpm(1)	Price
03583	3/4	115	4.2	1075	\$163
03584	3/4	208/230	2.0	1075	\$168
03585	1/3	115	6.2	1075	\$160
03586	1/3	208/230	2.9	1075	\$165
03587	1/2	115	9.0	1075	\$198
03588	1/2	208/230	4.3	1075	\$200
03589	3/4	115	10.3	1075	\$225
03590	3/4	208/230	4.6	1075	\$228

PARTS

V-BELTS



Featuring a composite, multi-purpose construction, these belts resist oil and heat, ozone, sunlight, weather, and aging.

Markets/Applications

Suitable for all industrial applications, including v-flat drives.

Features/Advantages

Gates Curves provide proper cord support and full contact with the sheave-groove for uniform loading, uniform wear, and increased belt life.

Flex-Bonded Cords are strongly bonded to the body of the belt resulting in equal load distribution and the absorption of bending stress without cord deterioration.

The Flex-Weave® Cover is a patented fabric construction for longer cover life, providing extended protection to the belt core from oil, dirt and heat.

Meets RMA **oil and heat resistant** standards. Meets RMA **static conductivity** requirements.

Part No	Description	Price
A24/4L260	LT 26IN. O.C. (9002-2024)	\$8
A25/4L270	LT 27IN. O.C. (9002-2025)	\$8
A26/4L280	LT 28IN. O.C. (9002-2026)	\$8
A27/4L290	LT 29IN. O.C. (9002-2027)	\$8
A28/4L300	LT 30IN. O.C. (9002-2028)	\$8
A29/4L310	LT 31IN. O.C. (9002-2029)	\$8
A31/4L330	LT 33IN. O.C. (9002-2031)	\$10
A32/4L340	LT 34IN. O.C. (9002-2032)	\$10
A33/4L350	LT 35IN. O.C. (9002-2033)	\$10
A34/4L360	LT 36IN. O.C. (9002-2034)	\$10
A35/4L370	LT 37IN. O.C. (9002-2035)	\$10
A36/4L380	LT 38IN. O.C. (9002-2036)	\$10
A37/4L390	LT 39IN. O.C. (9002-2037)	\$10
A38/4L400	LT 40IN. O.C. (9002-2038)	\$13
A39/4L410	LT 41IN. O.C. (9002-2039)	\$10
A40/4L420	LT 42IN. O.C. (9002-2040)	\$10
A41/4L430	LT 43IN. O.C. (9002-2041)	\$10
A42/4L440	LT 44IN. O.C. (9002-2042)	\$10
A43/4L450	LT 45IN. O.C. (9002-2043)	\$10
A44/4L460	LT 46IN. O.C. (9002-2044)	\$13
A45/4L470	LT 47IN. O.C. (9002-2045)	\$13
A46/4L480	LT 48IN. O.C. (9002-2046)	\$13
A47/4L490	LT 49IN. O.C. (9002-2047)	\$13
A48/4L500	LT 50IN. O.C. (9002-2048)	\$13
A49/4L510	LT 51IN. O.C. (9002-2049)	\$13
A50/4L520	LT 52IN. O.C. (9002-2050)	\$13
A51/4L530	LT 53IN. O.C. (9002-2051)	\$13
A52/4L540	LT 54IN. O.C. (9002-2052)	\$13
A53/4L550	LT 55IN. O.C. (9002-2053)	\$13
A54/4L560	LT 56IN. O.C. (9002-2054)	\$13
A55/4L570	LT 57IN. O.C. (9002-2055)	\$13
A56/4L580	LT 58IN. O.C. (9002-2056)	\$13
A57/4L590	LT 59IN. O.C. (9002-2057)	\$13
A58/4L600	LT 60IN. O.C. (9002-2058)	\$13
A60/4L620	LT 62IN. O.C. (9002-2060)	\$13
A62/4L640	LT 64IN. O.C. (9002-2062)	\$15
A63/4L650	LT 65IN. O.C. (9002-2063)	\$15
A71/4L730	LT 73IN. O.C. (9002-2071)	\$15
AX32	T 34 IN. O.C. (9012-2032)	\$15
AX35	T 37 IN. O.C. (9012-2035)	\$15
AX46	T 48 IN. O.C. (9012-2046)	\$15

PARTS

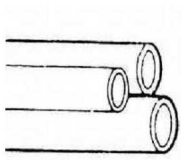
PARTS

V-BELTS

Part No	Description	Price
AX48	T 50 IN. O.C. (9012-2048)	\$15
B48/5L510	ELT 51IN. O.C.(9003-2048)	\$18
B53/5L560	ELT 56IN. O.C.(9003-2053)	\$18
B61/5L640	ELT 64IN. O.C.(9003-2061)	\$20
B62/5L650	ELT 65IN. O.C.(9003-2062)	\$20
B64/5L670	ELT 67IN. O.C.(9003-2064)	\$20
BX48	T 51 IN. O.C. (9013-2048)	\$28
BX51	T 54 IN. O.C. (9013-2051)	\$23
BX55	T 58 IN. O.C. (9013-2055)	\$23
BX67	T 70 IN. O.C. (9013-2067)	\$28
BX70	T 73 IN. O.C. (9013-2070)	\$28


PVC PIPE & FITTINGS


SCHEDULE 40 PIPE

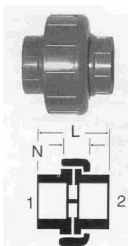
	Part No	Size (in)	Length	Price
	PVC-DWV-1X20	1	20 ft	\$23
	PVC-DWV-2X10	2	10 ft	\$20
	PVC-DWV-2X20	2	20 ft	\$40
	PVC-DWV-3/4X20	3/4	20 ft	\$15
	PVC-DWV-3X20	3	20 ft	\$88

SCHEDULE 40 PVC ADAPTER FITTINGS


SCHEDULE 40 PVC ADAPTER FITTINGS


	Part No.	Inch Size	Units/ Package	Weight Lbs Each	Price
	PVCFEMLE-/34	3/4	50	0.09	\$1

	Part No.	Inch Size	Units/ Package	Weight Lbs Each	Price
	PVCMALE-1	1	50	0.07	\$3
	PVCMALE-3/4	3/4	50	0.04	\$1


	Part No.	Inch Size	Units/ Package	Weight Lbs Each	Price
	PVCSLUNION-3/4	3/4	5	0.3	\$10


SCHEDULE 40 PVC TEE FITTINGS

	Part No.	Available Sizes	Price
	PVCTEE-3/4	3/4", 1", 1-1/2", 2", 3"	\$1
	PVCTEE-reducing	3x3x2, 3x3x1-1/2, 2x2x1-1/2	\$15

	Part No.	Inch Size	Units/ Package	Weight Lbs Each	Price
	PVCRED12mlex34sl	1/2" male x 3/4" slip	1	15	\$3
	PVCRED2112	2 x 1-1/2	1	15	\$3
	PVCRED3112	3 x 1-1/2	1	15	\$8
	PVCRED3x2	3 x 2	1	15	\$8

SCHEDULE 40 PVC ELL FITTINGS

	Part No.	Size	Price
	PVC45-1	1"	\$3
	PVC45-1-1/2	1-1/2"	\$3
	PVC45-2	2"	\$3
	PVC45-3	3"	\$8
	PVC45-3/4	3/4"	\$1

	Part No.	Available Sizes	Price
	PVC 90-1	1"	\$3
	PVC 90-1-1/2	1-1/2"	\$3
	PVC 90-2	2"	\$3
	PVC 90-3	3"	\$8
	PVC 90-3/4	3/4"	\$1

PVC PIPE & FITTINGS

PVC PIPE & FITTINGS

SCHEDULE 40 PVC ADAPTER FITTINGS

SCHEDULE 40 PVC ELL FITTINGS



Part No.	Size	Price
PVC 90ST-1	3/4", 1", 2", 3"	\$5

SCHEDULE 40 PVC FITTINGS



Part No.	Inch Size	Units/ Carton	Weight Lbs Each	Price
PVCINSF-1/2x3/8	1/2X3/8	50	0.5	\$3
PVCINSF-3/4x3/8	3/4X3/8	50	0.5	\$3



Part No.	Size	Price
PVCCAP-1	1"	\$3
PVCCAP-3	3"	\$5
PVCCAP-3/4	3/4"	\$1



Part No.	Size	Price
PVCPLUG-1	1"	\$3
PVCPLUG-3/4	3/4"	\$3

SCHEDULE 40 PVC COUPLING FITTINGS



Part No.	Size	Price
PVCCOUP-1	1"	\$1
PVCCOUP-1-1/2	1-1/2"	\$3
PVCCOUP-2	2"	\$1
PVCCOUP-3	3"	\$3
PVCCOUP-34	3/4"	\$1

PVC PIPE & FITTINGS

Bramec

CONDENSATE DRAIN / PLUMBING

PLASTIC CPVC PIPE & FITTINGS

• Pipe rated 100# psi @ 180F ASTM D 2846 • Used for the condensate lines• Also used for hot & cold water pressure lines • NSF approved

Part No	Description	Std Qty	U M	Price
16327	3/4" CPVC Adapter	25	EA	\$3

PIPE CEMENTS

PURPLE PIPE PRIMER



- All-purpose primer designed to remove gloss, soften & penetrate bonding surfaces of PVC & CPVC pipe & fittings
- Highly recommended for use on high gloss, hard finish bell end pipe or fittings
- NSF certified & UPC listed
- Should be applied at temperatures 40°F to 100°F
- Meets ASTM F-656 requirements
- Purple label

Part No	Description	Std Qty	U M	Price
Purple Primer 16 OZ	16 OZ Purple Primer (Dauber Can)	24	EA	\$10

PRIMERS, CEMENTS

CEMENTS, SEALANTS, ADHESIVES

PURPLE PRIMER



For PVC Pipe And Fittings (Black Label)
Recommended for all PVC and CPVC installations - all sizes/schedules. Purple tinted primer formulated to remove surface dirt and grease as well as soften the pipe surface to allow for a fast, secure and permanent solvent weld. For use in areas where codes call for primer verification.

Part No	Description	Standard Pack	Price
530-30756	Purple Primer – 8 oz.	24	\$10

ALL-PURPOSE CLEAR CEMENT



Heavy-bodied clear cement recommended for use on ABS, PVC, and CPVC pipe and fittings up to 12" in diameter. Flows freely and provides a thick layer of cement on the pipe. Apply at temperatures 40° to 90°F.

Part No	Description	Standard Pack	Price
530-30821	Clear Cement – 8 oz.	24	\$10

HEAVY DUTY PVC CEMENT



Heavy bodied clear cement recommended for use on PVC pipe and fittings up to 12" in diameter for Sch. 40 and Sch. 80 potable water pressure pipe, gas, conduit, drain waste and vent pipe. Exceeds ASTM D-2564.

Part No	Description	Standard Pack	Price
13061	Heavy Duty Cement – 8 oz.	24	\$8

PVC PIPE & FITTINGS

RADIANT HEAT

ROBERTS-GORDON

VANTAGE II

BURNERS



- Diagnostic capability incorporated in burner design
- Design flexibility achieved with straight, U-tube or L configurations and a broad range of burner sizes and tube lengths years of field-proven product performance
- Burner box design with protective enclosure for controls minimizes exposure to dirt and moisture from combustion air
- Longer life provided by durable components

Fuel: Natural Gas (NG) or Propane Gas (LP)

Part No.	Input (Btu/H) x (1000)	Gas Connection NPT	Exhaust Flue	Warranty	Price
CTH2-100	100	1/2"	4" dia	Three-Year Limited	\$2,315
CTH2-125	125	1/2"	4" dia	Three-Year Limited	\$2,238
CTH2-80	80	1/2"	4" dia	Three-Year Limited	\$2,365

VANTAGE II

INFRARED HEATING SYSTEMS

TUBING KITS



Part No.	Description	Standard 8 ft Reflector	End Cap	S-Hook	U-Clip Package	Vent Adapter	Price
CP10ALUM	Core Packages Aluminized 10'	2	2	2	1	1	\$720
CP20ALUM	Core Packages Aluminized 20'	3	2	3	1	1	\$1,153
CP20HRS	Core Packages Hot Rolled 20'	3	2	3	1	1	\$1,010
CP30ALUM	Core Packages Aluminized 30'	4	2	4	1	1	\$1,488
CP30HRS	Core Packages Hot Rolled 30'	4	2	4	1	1	\$1,255
CP40ALUM	Core Packages Aluminized 40'	6	2	5	1	1	\$1,928
CP40HRS	Core Packages Hot Rolled 40'	6	2	5	1	1	\$1,573
EXP10ALUM	Extension Packages Aluminized 10'	2	-	1	1	-	\$605
EXP20ALUM	Extension Packages Aluminized 20'	3	-	2	1	-	\$1,010
EXP20HRS	Extension Packages Hot Rolled 20'	3	-	2	1	-	\$758
EXP30ALUM	Extension Packages Aluminized 30'	4	-	3	1	-	\$1,383
EXP30HRS	Extension Packages Hot Rolled 30'	4	-	3	1	-	\$1,063
EXP40ALUM	Extension Packages Aluminized 40'	6	-	4	1	-	\$1,828
EXP40HRS	Extension Packages Hot Rolled 40'	6	-	4	1	-	\$1,388

VANTAGE II

INFRARED HEATING SYSTEMS

U-TUBE PACKAGES

Part No.	Description	Price
CPUTUBE	U-Tube Package	\$383

RADIANT HEAT

ROBERTS-GORDON

VANTAGE CRV & EV

REFLECTORS AND RELATED ACCESSORIES

RADIANT HEAT

Part No.	Description	Price
01329910	Reflector Side Extension Support	\$28
2712700	(Includes Reflector Side Extension, (2) Clips, (2) Sheet Metal Screws) P/N 02712700 Reflector	\$85
02750303	Reflector	\$110
02750800	Reflector End Cap	\$13
02750900	Reflector Joint Piece	\$60
03090100	Tube and Reflector Hanger	\$15
91107720	U-Clip Package	\$10
91903201	Turnbuckle	\$10
Part No.	Description	Price
02568200	Tube Gasket	\$10
Part No.	Description	Price
01318901	Tube Clamp Package	\$15
0133580D	90° ELbow, Coated	\$155
0133610D	45° ELbow, Coated	\$175
03051101	Transition Tube, Aluminized, 10 ft.	\$320
03051601	Transition Tube, HT Aluminized, 10 ft.	\$455
91409300	Tube, Hot Rolled Steel, 10 ft.	\$110
91409408	Tube, HT Aluminized, 10 ft.	\$198
9141030D	Tube, Double Coated, 10 ft.	\$343

HVAC DISTRIBUTORS INC

REFRIGERANT & ACCESSORIES

Call or visit one of our 4 locations.

PARKER HANNIFIN CORPORATION

FILTER DRYERS

GOLD LABEL STEEL LIQUID LINE DRYERS (LLD SERIES)

GOLD LABEL STEEL LIQUID LINE DRYERS



Part No.	Size	Line	Tonnage	Price
083S-410A	3/8	liquid	5	\$33
163S-410A	3/8	liquid	5	\$40



Features: • Prevents refrigerant migration which causes compressor damage. • Entire heating band is corrosion resistant • Installs quickly and easily • Low power consumption • High temperature silicone rubber element • 30" long insulated leads**Applications:** • Air Conditioning • Heat Pumps • Refrigeration Compressors

Refrigeration Commercial Low Temp Equipment						
Part No.	Size	Connection	Line	Refrigerant	Tonnage	Price
052	1/4	flare	liquid	R22	1.5	\$25
052S	1/4	sweat	liquid	R22	1.5	\$25
0525-S	5/16	sweat	liquid	R22	2	\$25
53	3/8	flare	liquid	R22	3	\$1,286
53S	3/8	sweat	liquid	R22	3	\$23
82	1/4	flare	liquid	R22	1-1/2	\$30
082S	1/4	sweat	liquid	R22	1-1/2	\$30
0825S	5/16	sweat	liquid	R22	3	\$33
083	3/8	flare	liquid	R22	5	\$30
083S	3/8	sweat	liquid	R22	5	\$30
084S	1/2	sweat	liquid	R22	7-1/2	\$33
84	1/2	flare	liquid	R22	7-1/2	\$33
162	1	1/4	liquid	R22	2	\$38
1625S	5/1	sweat	liquid	R22	3-1/2	\$38
163S	3/8	sweat	liquid	R22	5	\$38
163	3/8	flare	liquid	R22	5	\$38
164	1/2	flare	liquid	R22	7.5	\$43
164S	1/2	sweat	liquid	R22	7.5	\$40
032	1/4"	flare	Liquid	R22	1	\$20
032S	1/2"	sweat	Liquid	R22	1	\$20
165	5/8	flare	liquid	R22	10	\$43
165S	5/8	sweat	liquid	R22	10	\$45
305S	5/8	sweat	liquid	R22	15	\$68

GOLD LABEL STEEL SUCTION LINE FILTER DRYERS



Part No.	Fitting	Desiccant (Cu In)	Tonnage	22 & 404A	134A & 407	401A & 410A	502 & 507A	Price
SLD13-5SV	5/8" Sweat	13 1/2	5	284	284	338	312	\$75
SLD13-6SV	3/4" Sweat	13 1/2	7	284	284	338	312	\$75
SLD13-7SV	7/8" Sweat	13 1/2	7	284	284	338	312	\$78
SLD13-9SV	1 1/8" Sweat	13 1/2	7-1/2	284	284	338	312	\$98
SLD27-7SV	7/8" Sweat	27	10	568	568	676	624	\$108
SLD27-9SV	1 1/8" Sweat	27	13	568	568	676	624	\$108
SLD8-6SV	3/4" Sweat	8	4	168	168	200	185	\$65

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FILTER DRYERS

CHARCOAL BURNOUT CORE



Formulated with charcoal to remove wax on low temperature systems even before problems occur. The PCK-48HH can be used in either liquid or suction line applications and also removes acids, water, solids and sludge. Recommended for refrigerant reclaim/recovery units.

Part No.	R-12 (15 ppm) 75° F/125° F	R-22 (60 ppm) 75° F/125° F	R-134A (150 ppm) 75° F/125° F	R-401A/B (50 ppm) 75° F/125° F	R-401C (50 ppm) 75° F/125° F	R-402A (50 ppm) 75° F/125° F	R-402B (50 ppm) 75° F/125° F	Price
PCK-48HH	524/374	474/322	518/363	507/339	493/335	512/343	512/343	\$63

STEEL BI-FLOW FILTER DRYERS (BF SERIES)

BI-FLOW DRYER FLOW CAPACITY



Part No.	R-410A	Filter Area CU Inches	Price
BF163S-410A	2.9	14.4	\$73



Features: • Prevents refrigerant migration which causes compressor damage. • Entire heating band is corrosion resistant • Installs quickly and easily • Low power consumption • High temperature silicone rubber element • 30" long insulated leads**Applications:** • Air Conditioning • Heat Pumps • Refrigeration Compressors

System Cutout Length					
Part No.	Size	Connection	Refrigerant	Tonnage	Price
BF083	3/8	flare	R22	4	\$55
BF083S	3/8	sweat	R22	4	\$43
BF084	1/2	flare	R22	5	\$53
BF084S	1/2	sweat	R22	5	\$53
BF162S	1/4	sweat	R22	3	\$68
BF163	3/8	flare	R22	4	\$68
BF163S	3/8	sweat	R22	4	\$48
BF164	1/2	flare	R22	5	\$70
BF164S	1/2	sweat	R22	4	\$70
BF165S	5/8	sweat	R22	7-1/2	\$75

FLOW CONTROL

MOUNTS ON ANY 2 OR 3-PORT BASE



Part No.	Operating Pressure	Flow Rate at 90 PSI (6 bar) in SCFM (l/mn ANR)	Maximum Pressure	Reduction Range	Price
PRD3	120 PSI (8.5 bar Max.)	5.2 (147)	120 PSI	7 to 105 PSI	\$78

SOLENOID

SOLENOID COIL

Features/Benefits: • Test clip storage within case • Alligator clips to capacitor terminals • LED display • One button operation • Operates on one 9V Battery (not included) • Soft carrying case included **Applications:** • Verification of Start and Run Capacitors • Checks for open and short capacitors • Identify unmarked capacitors • Confirms weak capacitors • Use as continuity tester **Speciality Instrument Selection Guide:** • Measurement/Function - Capacitance • Range - 0.01 to 10,000 MFD

Part No.	Description	Price
G2305	Solenoid Coil 120V. 60HZ	\$63

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PARKER HANNIFIN CORPORATION

PRE-FILTERS, OIL DEVICES & STRAINERS

FILTERS AND PRE-FILTERS



Features And Benefits: • Female outlet fitting allows direct mounting to the machine. • Extended female end fitting provides valve handle clearance. • Male-to-male fittings allow connection to or between hoses. • Enlarged depth filtering area. • UL listed / CSA certified.

Part No.	Inlet	Outlet	Price
PF 052MF	1/4" SAE male flare	1/4" SAE female flare	\$28

PSG SIGHT GLASSES AND MOISTURE INDICATORS



- Solid copper connections
- “U” tube design for maximum flow of refrigerant and minimum oil entrapment.
- Inlet Flow Director guides refrigerant toward wall for smooth tangential flow and gradual expansion.
- “U” tube Entrance is positioned behind the Inlet Flow Director to prevent unwanted liquid refrigerant from entering and damaging compressor.
- Metering Orifice matched to system capacity assures optimum liquid refrigerant and oil flow back to compressor.
- Protective Screen and Orifice Assembly on U-Tube protects against foreign particles and contaminants affecting metering function.
- Fittings and “U” Tube are matched to accumulator holding capacity and total system charge for minimum pressure drop and maximum refrigerant flow.
- U.L. listed for 1775 psig minimum bursting pressure. File No. SA5172.
- Powder paint exterior coating surpasses 500 hour ASTM salt spray tests.
- Integral 430°F Fuse Plugs (U.L. File No. SA5441).

Part No.	Fitting		Overall Length (in)	Cut Out Length (in)	Price
	Size	Type			
PSG-2S	1/4"	Sweat	4.88	4.19	\$35
PSG-3MF	3/8"	Female Flare	3.17		\$33
PSG-3S	3/8"	Sweat	4.88	4.12	\$33
PSG-4S	1/2"	Sweat	4.88	3.87	\$40
PSG-5S	5/8"	Sweat	4.88	3.62	\$48

SUCTION LINE ACCUMULATORS



- Solid copper connections
- “U” tube design for maximum flow of refrigerant and minimum oil entrapment.
- Inlet Flow Director guides refrigerant toward wall for smooth tangential flow and gradual expansion.
- “U” tube Entrance is positioned behind the Inlet Flow Director to prevent unwanted liquid refrigerant from entering and damaging compressor.
- Metering Orifice matched to system capacity assures optimum liquid refrigerant and oil flow back to compressor.
- Protective Screen and Orifice Assembly on U-Tube protects against foreign particles and contaminants affecting metering function.
- Fittings and “U” Tube are matched to accumulator holding capacity and total system charge for minimum pressure drop and maximum refrigerant flow.
- U.L. listed for 1775 psig minimum bursting pressure. File No. SA5172.
- Powder paint exterior coating surpasses 500 hour ASTM salt spray tests.
- Integral 430°F Fuse Plugs (U.L. File No. SA5441).

Part No.	Solder Fitting Size	Dimensions (inches)		Capacity (1) (oz)	Price
		Length	OD		
PA4065-9-5C	58"	9.62	4	60	\$103
PA5083-12-7C	7/8"	12.88	5	125	\$105
PA5083-9-6C	3/4"	9.62	5	89	\$100

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THERMOSTATIC AND CONSTANT PRESSURE (AUTOMATIC) EXPANSION VALVES

S SERIES



Applications: • Air Conditioning • Heat Pumps • Commerical Refrigeration • Transport Refrigeration • Beverage Dispensers • Dehumidifiers • Ice Machines
Features And Benefits: • 60" capillary tube with shock loop • Optional external equalizer • Stainless steel power element • Weight: .7 lbs. (.32 kg) • Optional bleed • Field adjustable superheat

Part No.	Refrigerant Designation	Capacity Range Tons	Rainbow Charges	Inlet Connection ODF (Optional)	Outlet Connection ODF (Optional)	Equalizer Connection (Optional)	Price
SE3V	V	1 1/2 - 3	W, Z, X100 X35	1/2	5/8 (7/8)	1/4" ODF, (1/4" SAE)	\$143
SE5VX	V	3 1/2 - 5	W, Z, X100 X35	1/2	7/8 (5/8)	1/4" ODF, (1/4" SAE)	\$153
SE10V	V	8 - 10	W, Z, X100 X35	5/8	7/8	1/4" ODF, (1/4" SAE)	\$153

TX VALVE

Part No.	Description	Price
CE5VX	TX Valve 1.5-5 Ton Flare	\$143
SE5VX	TX Valve 1.5-5 Ton Sweat	\$153

SUPCO

ACID TEST KIT



Acid Test Kit: Tests for damaging acid in refrigerants • Kit contains 5 acid pads and solution for 20 tests • Economical and easy to use • Test requires only one drop of refrigerant oil • Test takes one minute • Gas does not have to be evacuated from compressor
Acid In A System Can Cause: • Clogged cap tubes • Defective fan motors • Dirty condensers • Defective run capacitors • Low voltage • Cycling of overloads • Open start capacitors • Defective start relays

Part No.	Price
AT5	\$35

CH SERIES COMPRESSOR HEATERS



Features: • Prevents refrigerant migration which causes compressor damage. • Entire heating band is corrosion resistant • Installs quickly and easily • Low power consumption • High temperature silicone rubber element • 30" long insulated leads
Applications: • Air Conditioning • Heat Pumps • Refrigeration Compressors

Girth Dim						
Part No.	Volts	Watts	Min	Max	Fits Om Pressor	Price
CH102	240	60	25 3/4"	32 9/16"	Tecumesh: AJ, Trane: D4340/7669	\$38
CH104	240	75	41 1/2"	48 5/16"	Carrier: 6A88, Fedder Chrysler 3009	\$38
CH105	240	50	32 1/2"	39 5/16"	Copeland: ZR, Trane: DE4340, 7570	\$40

LEAK LOCK AND LEAK LOCK GOLD WITH TEFLON



A resin based soft setting brushable paste pipe joint compound resistant to all refrigerants, oils, water and most chemicals liquids and gases.
• Use with pressures to 10,000 PSI to full vacuums. • Temperature range -200°F (-93°C) to 400°F (204°C). • It never hardens and it never becomes brittle. • Ideal for joining all metals, plastics and other materials. • Will stick to all clean surfaces. • Prevent vibration from loosening nuts, bolts, plugs and fittings. • Non Toxic

Part No.	Size	Price
HS10001	1-1/3 oz Tube	\$5
HS10004	4 oz Brush Top Plastic Jar	\$13

RELAY

Part No.	Description	Price
APR-5	Relay ADJ 130-370V	\$65

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SUPCO

SPECIALTY METERS

DIGITAL CAPACITOR TESTER



Features/Benefits: • Test clip storage within case • Alligator clips to capacitor terminals • LED display • One button operation • Operates on one 9V Battery (not included) • Soft carrying case included **Applications:** • Verification of Start and Run Capacitors • Checks for open and short capacitors • Identify unmarked capacitors • Confirms weak capacitors • Use as continuity tester **Speciality Instrument Selection Guide:** • Measurement/Function - Capacitance • Range - 0.01 to 10,000 MFD

Part No.	Range	Accuracy	Price
MFD-10	0.01 to 10,000 mF	±5%	\$193

PTC/CAPACITOR COMBINATION



Features/Benefits: • Positive Temperature Coefficient Technology (PTC) • Field proven technology • Easy 2 -wire installation • Most economic

Part No.	Operating Voltage (VAC)	Recommended Range (hp)	Increase in Torque (%)	Price
SPP-5	90 – 277	½ to 10	300%	\$25
SPP-6	90 – 277	½ to 10	500%	\$38

ANALOG VACUUM GAUGE



Features: • Large 5" Analog meter • Range 5000-10 microns • Vacuum sensor is compatible with oils, refrigerants or cleaning solutions • Vacuum sensor never has to be replaced, just clean it• The sensor can endure pressure up to 500 PSI (Compare that to the competition!) • On/Low battery light allows for constant monitoring of battery condition and replacement

Part No.	Sensor Type	Indicator	Low Battery/Power On Indicator	Dimensions	Weight	Power	Over Pressure	Price
VG62	Thermistor	5" analog	LED	9 1/4" x 7 1/2" x 2 3/4"	2 1/4 lb	9 Volt battery (not included)	500 PSI Max (20 BAR)VG62 Analog Vacuum Gauge	\$458

REFRIGERANT & ACCESSORIES

THERMOSTATS & CONTROLS

AERION TECHNOLOGIES - MACURCO

CARBON MONOOXIDE DETECTOR



Carbon monoxide is a colorless, odorless, tasteless and toxic gas produced as a by-product of combustion. Any fuel burning appliance, vehicle, tool or other device has the potential to produce dangerous levels of carbon monoxide gas. Examples of carbon monoxide producing devices commonly in use around the home include:

• Fuel fired furnaces (non-electric) • Gas water heaters • Fireplaces and woodstoves • Gas stoves • Gas dryers • Charcoal grills • Lawnmowers, snowblowers and other yard equipment • Automobiles

Part No	Description	Price
CM-21A	CM-21A Carbon Monoxide Detector (MA-CM21A)	\$594

HONEYWELL

VISION PRO 8000 THERMOSTAT 3H/2C

**FEATURES :**

Large, clear display with backlighting shows the current and set temperatures and time - even in the dark. Menu driven programming makes set up effortless. Beautiful ergonomic design - smart and sophisticated to match your lifestyle. Touchscreen interaction. Real time clock keeps time during power failures and automatically updates to daylight savings. "Saving Changes" notification let's you know your changes have been saved. Change/check reminders let you know when to service or replace filters, batteries, etc. Various HOLD options allow you to override the program schedule as desired. Armchair programming allows you to remove the thermostat from the wall for programming

SPECIAL FEATURES :

Touch Screen, Humid. pad & UV Reminder, Limits, Lockout

Part No	Changeover	Stages	Power	Program	Backlight	Price
TH8320U1008	Auto	3 H / 2 C	Battery or Hardwire	7	Yes	\$310

VISION PRO 8000 THERMOSTAT SINGLE STAGE

**FEATURES :**

Large, clear display with backlighting shows the current and set temperatures and time - even in the dark. Menu driven programming makes set up effortless. Beautiful ergonomic design - smart and sophisticated to match your lifestyle. Touchscreen interaction. Real time clock keeps time during power failures and automatically updates to daylight savings. "Saving Changes" notification let's you know your changes have been saved. Change/check reminders let you know when to service or replace filters, batteries, etc. Various HOLD options allow you to override the program schedule as desired. Armchair programming allows you to remove the thermostat from the wall for programming.

SPECIAL FEATURES :

Touch Screen, Humid. pad & UV Reminder, Limits, Lockout

Part No	Dimensions	Changeover	Stages	Power	Program	Backlight	Remote	Price
TH8110U1003	6" W x 4 9/16" H x 1 1/8" D	Auto	1 H / 1 C	Battery or Hardwire	7	Yes	1 in / 1 out	\$270

VISION PRO 8000 THERMOSTAT 3H/2C W/DEHUMID CONTROL

**BENEFITS :**

- Versatile unit is the only dehumidification thermostat available
- Dehumidification control helps maintain ideal indoor humidity
- Common-sense menu-driven programming is extremely user-friendly

Part No	Application	Dimensions	Temperature Range	Electrical Ratings	Stages	Price
TH8321U1006	Heating and Cooling Systems	4 9/16"H x 6" W x 1 1/4" D	heat 40 - 90 degrees F, cool 50 - 99 degrees F	30 VAC/60 Hz	up to 3 heat/2 cool	\$348

HONEYWELL

FOCUS PRO 6000 PROGRAMMABLE THERMOSTAT - STANDARD DISPLAY



- FEATURES :**
Weekday/Weekend programming- use as a 5-1-1 or a 5-2
LARGE, CLEAR BACKLIT DISPLAY -- easy to read in various lighting conditions
SIMPLIFIED OPERATION -- displays both room and set temperature at same time
EASY ACCESS BATTERY REPLACEMENT -- flip out door allows for easy battery replacement without removing or disassembling the thermostat
DISPLAY SIZE OPTIONS -- available in large screen or standard.
PRECISE TEMPERATURE CONTROL -- maintains consistent comfort to the highest level of accuracy.
SPECIAL FEATURES
Easy battery replacement, setpoint limits, Multi-stage or Heat Pump

Part No	Changeover	Stages	Power	Program	Backlight	Price
TH6220D1002	Auto	2 H / 2 C	Hardwire or Battery	5 + 1 + 1	Yes	\$150

FOCUS PRO 6000 PROGRAMMABLE THERMOSTAT - LARGE DISPLAY



- FEATURES :**
Weekday/Weekend programming- use as a 5-1-1 or a 5-2
LARGE, CLEAR BACKLIT DISPLAY -- easy to read in various lighting conditions
SIMPLIFIED OPERATION -- displays both room and set temperature at same time
EASY ACCESS BATTERY REPLACEMENT -- flip out door allows for easy battery replacement without removing or disassembling the thermostat
DISPLAY SIZE OPTIONS -- available in large screen or standard.
PRECISE TEMPERATURE CONTROL -- maintains consistent comfort to the highest level of accuracy.
SPECIAL FEATURES
Easy battery replacement, setpoint limits, Multi-stage or Heat Pump

Part No	Changeover	Stages	Power	Program	Backlight	Price
TH6220D1028	Auto	2 H / 2 C	Hardwire or Battery	5 + 1 + 1	Yes	\$165

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HONEYWELL

FOCUS PRO 5000/6000 DIGITAL THERMOSTATS

NON-PROGRAMMABLE



FEATURES :

- Large, clear, backlit display - easy to read in various lighting conditions.
- Display size options - available in large screen or standard.
- Precise comfort control (+/- 1° F) - maintains consistent comfort to the highest level of accuracy.
- Simplified programming and operation.
- Easy change battery door - flip out door allows for easy battery replacement without removing or disassembling the thermostat.
- Built in instructions - simple, pull out instruction manual.
- Energy savings - program to save up to 33%* on annual heating and cooling costs.
- Adaptive Intelligent Recovery™ - ensures programmed temperature is reached by programmed time.
- Temperature range stops - prevents user from setting the temperature too high or too low.
- 5-year limited warranty.

Mounting : Horizontal

Color : Premier White

Description : Premier White® Heating & Cooling Thermostat

Part No	Application	Switch Positions		Terminal Designations	Price
		(System)	(Fan)		
TH5110D1006	Heating and Cooling systems	Heat-Off-Cool-Auto	Auto-On	R, Rc, C, W (O/B), Y, G	\$83
TH6110D1005	Conventional and Heat Pump systems	Heat-Off-Cool-Auto	Auto-On	Rc, R, W (O/B), Y, G, C	\$120
TH5220D1029	Heating and Cooling systems	Heat-Off-Cool-Auto-E M.HEAT	Auto-On	Rc, R, W (O/B), W2 (AUX), Y, Y2 (E), G, L, C	\$133
TH6110D1021	Conventional and Heat Pump systems	Heat-Off-Cool-Auto	Auto-On	Rc, R, W (O/B), Y, G, C	\$135
TH5220D1003	Heating and Cooling systems	Heat-Off-Cool-Auto-E M.HEAT	Auto-On	Rc, R, W (O/B), W2 (AUX), Y, Y2 (E), G, L, C	\$115
TH5110D1022	Heating and Cooling systems	Heat-Off-Cool-Auto	Auto-On	R, Rc, C, W (O/B), Y, G	\$98

PRO 4000 DIGITAL THERMOSTAT

PROGRAMMABLE



KEY FEATURES • Weekday/weekend programming. Uses a 5-2 (weekdays, weekend) programmable thermostat format • Easy access battery replacement. Flip-out door for easy battery replacement without removing or disassembling the thermostat. • 2-year warranty USER INTERFACE • Slide Switches SCHEDULE OPTIONS • 5-2 (Weekdays - Weekends) • Temporary Override • Permanent Hold DISPLAY INFORMATION • 1.73 square inch • On-Demand backlighting • Displays both set temperature and room temperature

Part No	Application	Power Method	Changeover	Price
TH4110B1009	Stages: 1 Heat, and 1 Cool, Works with gas, electric, oil, Heat Pump	Battery	Manual Heat to Cool	\$98

SINGLE STAGE, NON-PROGRAMMABLE DIGITAL THERMOSTAT



BENEFITS :

- Displays both room temperature and temperature setting
 - Switchable fan control (auto or continuous fan)
 - Built-in compressor protection
 - Large, clear backlit display is easy to read, even in the dark
- Application : 1 Heat / 1 Cool Conventional and Heat Pump
Dimensions : 3 13/16 in. High X 5 3/8 in. Wide X 1 1/4 in. Deep

Part No	Mounting	Color	Switch Positions		Terminal Designations	Price
			(System)	(Fan)		
TH3110D1008	Horizontal	Premier White®	Cool-Off-Heat	Auto-On	R, Rc, W, Y, G, O, B, C	\$68

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FOCUS PRO 3000/4000/5000/6000 COVER PLATE SSEMBLY

Coverplate assembly for use with FocusPRO™ 6000/5000 and PRO 4000/3000 thermostats. Includes one medium and one large coverplate, bracket for j-boxes and mounting hardware. Medium coverplate is 5 in. x 6 7/8 in. Large coverplate is 6 in. x 8 5/16 in.

Part No	Used With	Color	Size	Price
50002883-001	FocusPRO 6000, 5000; PRO 4000, 3000	Premier White	Medium Cover Plate 5 in. high, 6 7/8 in. wide. Large Cover Plate 6 in. high, 8 5/16 in. wide.	\$23

THERMOSTAT ACCESSORIES AND REPLACEMENT PARTS

Part No	Used With	Description	Price
50000066-001	T87K, T87N, T8775	Decorative Cover Plate for T87K, T87N and T8775	\$20
50007072-001	FocusPRO™ TH6110, TH6220 and TH5220 Thermostats	Replacement Battery Holder for FocusPRO TH6110, TH6220 and TH5220 Thermostats	\$18
50000951-001	FocusPRO™ TH5110 Thermostat	Replacement Battery Holder for FocusPRO TH5110 Thermostat	\$18

Description : Premier White® cover plate 7 7/8 in. (200 mm) x 5 1/2 in. (140 mm)



Part No	Description	Used With	Color	Price
32003796-001	Premier White® cover plate 7 7/8 in. (200 mm) x 5 1/2 in. (140 mm)	TH8000 VisionPRO™ Series Thermostats	Premier White	\$23

DIGITAL ROUND THERMOSTAT



The T8775A Thermostat provides 24V control of heating only systems. The T8775C Thermostat provides single-stage temperature control for 24V heating-cooling systems with manual changeover from heat to cool.

FEATURES :

- Attractive styling complements any decor.
- Large easy-to-read display.
- The temperature reading is easily seen from a distance.
- Backlit display.
- On-demand backlighting makes it easy to read the display in a dark room or hallway.
- No batteries required.
- The temperature setting is held permanently in memory in the event of a power failure.
- Powered through heating-cooling system controls.
- System and Fan switches on the T8775C model.
- Manual changeover from heat to cool on T8775C model.
- Easy installation, set up and 5-minute compressor bypass saves time and increases installer productivity.
- Easily configurable by the use of DIP switches.
- F or C temperature display.
- Selectable heating cycle rates (1, 3, 6, 9 cph) for a variety of applications.
- Cooling cycle rate is fixed at 3 cph.
- This is the standard compressor setting for quick installations.
- Minimum off-time for compressors in the cooling mode.
- Protects and extends the life of the equipment.
- Decorative cover plate is available to cover marks on the wall or to mount the T8775 Thermostat onto an electrical box

Description : Premier White 1Heat/1 Cool Stage Digital Round™ Thermostat with manual changeover and R,RC,O,B,G,Y,W terminals for 24 Vac gas, oil and electric heating with cooling, including 1 heat/1 cool heat pumps.

Application : 24 Vac gas, oil and electric Heating with Cooling, including 1 heat/1 cool heat pumps

Part No	Color	Mounting	Dimensions	Switch Positions		Terminal Designations	Price
				(System)	(Fan)		
T8775C1005	Premier White	Front Wired	3 11/16 in. diameter x 1 7/16 in. deep(94 mm diameter x 37 mm deep)	Cool-Off-Heat	Auto-On	R, Rc, W, Y, G, O, B	\$103

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DIGITAL ROUND THERMOSTAT



FEATURES :

- Attractive styling complements any decor. • Large easy-to-read display. • The temperature reading is easily seen from a distance. • Backlit display. • On-demand backlighting makes it easy to read the display in a dark room or hallway. • No batteries required. • The temperature setting is held permanently in memory in the event of a power failure. • Powered through heating-cooling system controls. • System and Fan switches on the T8775C model. • Manual changeover from heat to cool on T8775C model. • Easy installation, set up and 5-minute compressor bypass saves time and increases installer productivity. • Easily configurable by the use of DIP switches. • F or C temperature display. • Selectable heating cycle rates (1, 3, 6, 9 cph) for a variety of applications. • Cooling cycle rate is fixed at 3 cph. • This is the standard compressor setting for quick installations. • Minimum off-time for compressors in the cooling mode. • Protects and extends the life of the equipment. • Decorative cover plate is available to cover marks on the wall or to mount the T8775 Thermostat onto an electrical box.

Part No	Mounting	Dimensions	Color	Terminal Designations	Power Method	Electrical Ratings	Changeover	Price
T8775A1009	Front Wired	3.11/16 in. Diameter x 1.7/16 in. deep.	Premier White	R, W	Powered through system Heating Controls.	18 to 30 Vac.	Manual	\$93

MERCURY FREE THERMOSTAT



MERCURY FREE

- Classic Styling
- Premier White®
- Separate temperature setting and thermometer
- The T87K heat only works with 2 or 3 wire heat only systems
- The Easy-To-See has enlarged scale and raised numbers--plus it click at every 2°F change

Dimensions : 3 11/16 in. diameter x 1 3/4 in. deep (94 mm diameter x 45 mm deep)
Description : The Round® Heat Only Mercury Free Thermostat

Part No	Description	Mounting	Application	Color	Switch Positions (System)	Terminal Designations	Price
T87K1007	The Round® Heat Only Mercury Free Thermostat	Round	Heat only gas or oil systems	Premier White	OFF-HEAT	R, W, Y	\$53
T87N1000	The Round® Heat Only Mercury Free Thermostat	Round	Heat only gas or oil systems	Premier White	OFF-HEAT	R, W, Y	\$80

THERMOSTAT, COMMERCIAL-PROGRAMMABLE

T7300F SERIES PROGRAMMABLE COMMERCIAL THERMOSTAT

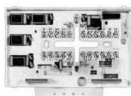
Switching : Fan: On-Auto System: Em. Heat-Heat-Off- Cool-Auto



Part No	Application	Color	Application Size	Compatible With	Network Communications	Price
T7300F2010	Conventional or Heat Pump	Taupe	Determined by subbase (Q7300)	Q7300 series 2000 subbase	LonWorks Bus	\$360

Q7300A SERIES COMMERCIAL SUBBASE

Switching : Switching is determined by the chosen thermostat



Part No	Application	Color	Application Size	Comments	Price
Q7300C2004	Heat Pump	Taupe	1 Stage compressor heat pump with auxiliary heat and emergency heat	Provides O and B terminals for dampers, valves, etc.	\$208
Q7300A2016	Conventional Applications	Taupe	2 Heat / 2 Cool		\$235

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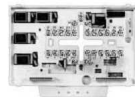
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THERMOSTAT, COMMERCIAL-COMMUNICATING

Q7300A SERIES COMMERCIAL SUBBASE



The T7300 thermostats and Q7300 subbases control commercial single zone heating, ventilating and air conditioning (HVAC) equipment.

- One model can be used for single-stage and multi-stage applications.
- 7-day programming.2 occupied/unoccupied periods per day.
- Individual temperature set points for: • Occupied heat and cool.
- Unoccupied heat and cool.
- Proportional plus integral control eliminates temperature fluctuations.
- Intelligent Recovery.
- Automatically optimizes start time depending on building load.
- Intelligent Fan.energizes fan only on call for heating or cooling during unoccupied periods.
- Automatic heat/cool changeover.
- Keyboard lockout eliminates tampering.
- One thermostat can be used for heat pump or conventional control (T7300F only).
- Optional remote sensors and override capability.
- Configurable to vary fan and reversing valve operation.
- Use with Q7300 to interface with C7400/W7459 economizer system for total integration of rooftop control.
- Convenient overrides allow temporary changes.
- No batteries required. Program settings are stored in Permanentmemory and are maintained during power failures.
- Q7300H LonMark® communicating subbases for network, remote access and system integration applications.
- Accessories: 32000180-009 Merchandise Kit

Part No	Application	Color	Application Size	Switching	Price
Q7300G2005	Conventional Applications	Taupe	3 Heat / 3 Cool	Switching is determined by the chosen thermostat	\$313

THERMOSTAT, ELECTRIC HEAT

ELECTRIC HEAT THERMOSTATS



Economy thermostats that provide reliable line voltage control of resistive rated electric heating equipment. Snap-action switch makes heating circuit on temperature fall.

- Economical.
- Replace virtually any two-wire (T410A) or four-wire (T410B) line voltage wall-mounted electric heating thermostat.
- Easy to install; 6 in. (150 mm) color-coded leads.
- Include long-lasting Micro Switch. mechanism.
- Rugged, plastic mounting base and one-piece cover with vents.
- Ideally suited to new construction applications.

Part No	Switching Action	Color	Price
T410B1004	DPST	Beige	\$33

THERMOSTAT, LINE VOLT-SUBBASE



Switching Action : SPDTbreaks Heating and makes Cooling on temperature rise.
Color : champagne gold faceplate; beige cover

Part No	Electric Ratings	Electrical Ratings Restive	Operating Temperature Range	Price
T651A3018	9.8 A @ 120 Vac 5.6 A @ 208 Vac 4.9 A @240 Vac 4.2 A @277 Vac	22 A @ 120 Vac 22 A @ 240 Vac 19 A @ 277 Vac	44 F to 86 F	\$115

THERMOSTAT, NON PROGRAMMABLE-ELECTROMECHANICAL

Q539 THERMOSTAT SUBBASES



Provide system and fan switching, and mounting for T87F Thermostats.

- Include cooling anticipator and letter-coded screw terminals for electrical connections.
- Wide range of switching functions fits most heating, cooling or heating-cooling applications.
- Mount directly on wall or on an outlet box using optional 6 in. (152 mm) cover ring or adapter plate assembly.
- Electrical Ratings: 2A at 24 Vac
- Dimensions: 3 11/16 in. diameter, 1 3/4 in. deep;
- 94 mm diameter, 45 mm deep.
- Accessories: 198170A-Designer Beige Adapter Kit • 202687A-Premier White Adapter Kit • 32005439-001-Taupe Adapter Kit

Part No	Color	Switch Positions (System)	Switch Positions (Fan)	Terminal Designations	Price
Q539A1451	Premier White	Cool-Off-Heat	On-Auto	R,Rh,W,Y,G	\$35
Q539J1006	Taupe	Cool-Off-Heat	Auto-On	R,W,Y,B,G,O,P	\$30
Q539C1020	Taupe	Cool-Off	On-Auto	R,Y,G,O	\$30
Q539A1147	Taupe	Cool-Off-Heat	On-Auto	Rc,W,Y,G,Rh	\$30

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THERMOSTAT, NON PROGRAMMABLE-ELECTROMECHANICAL

Q674 THERMOSTAT SUBBASES



Provide wiring terminals, mounting base, and system and fan switching for T874 Multistage Thermostats.

- Mount on wall or horizontal outlet box.
- Adapter plate is available for mounting on vertical outlet box.
- Subbases available without LED (light emitting diode) or with one or two LEDs.
- Application: Subbase for T874 Thermostats
- Color: Beige
- Electrical Ratings: 2.5A at 30 Vac (7.5A Inrush)
- Dimensions: 3 9/16 in. high, 5 5/8 in. wide, 5/16 in. deep; • 91 mm high, 143 mm wide, 8 mm deep.

Part No	Used With	Switch Positions (System)	Switch Positions (Fan)	Terminal Designations	Price
Q674G1070	T874A-F	Off-Auto	None	Rh,Rc,Y1,Y2,W1,W2,G,O,B	\$58
Q674C1058	T874A-F	Off-Auto	Auto/On	Rh,Rc,Y1,Y2,W1,W2,G,O,B	\$60
Q674A1019	T874A-D	Heat-Auto-Cool	Auto/On	Rh,Rc,Y1,Y2,W1,W2,G	\$63
Q674B1034	T874A-D	Cool-Off-Heat	Auto/On	Rh,Rc,Y1,Y2,W1,W2,G,O,B	\$63

T822 THERMOSTAT SUBBASES



Provide 24 Vac control of heating or cooling systems.

- New Style Look.
- Coiled bimetal element operates mercury switch.
- Setting lever and thermometer scale on thermostat face.
- Straight-in wiring capability.
- Mount directly on the wall or on vertical outlet box.
- Mounting: Vertical
- Sensor Element: bimetal
- Stages (heating): 1
- Switch Type: Mercury
- Switching Action: SPST
- Dimensions: 4 3/4 in. high, 2 7/8 in. wide, 1 3/8 in. deep; • 121 mm high, 73 mm wide, 35 mm deep.
- Accessories: 209649A-Universal cover plate. Taupe • 209652A-Universal cover plate. Beige • 209650A-Universal cover plate. Premier White

Part No	Application	Color	Terminal Designations	Setting Temperature Range	Electrical Ratings	Anticipator (Heating)	Price
T822D1024	Heating only control in low voltage systems	Taupe	R, W	55 F to 95 F 13 C to 35 C	20 to 30 Vac	0.18 to 1.0A Adj.	\$55

T841 MULTISTAGE AND HEAT PUMP THERMOSTATS



Provide low voltage (24 Vac) control of two-stage heating and onstage cooling in heat pump systems, using manual changeover.

- Coiled bimetal element operate dust-free mercury switches.
- Heat anticipators are adjustable or fixed; cooling anticipator is fixed.
- Mount directly on wall or horizontal outlet box; no separate subbase necessary.
- T841E model available for two-stage gas valves.
- Currents (Cooling): 1.5A running, 6.5A inrush at Max. 30 Vac
- Currents (Heating): First Stage 1.5A running, 6.5A inrush at 30 Vac • max.;
- Second Stage 1.2 running and 6.5A inrush at 30 Vac • max.
- Electrical Ratings: 24 to 27 Vac.
- Mounting: horizontal
- Sensor Element: bimetal
- Switch Positions (Fan): AUTO-ON
- Switch Type: Mercury
- Interstages Differential Temperature: 1 F; 0.6 C
- Setting Temperature Range: 45 F to 85 F; 7 C to 29 C
- Dimensions: 3 1/2 in. high, 5 1/4 in. wide, 2 1/16 in. deep; • 89 mm high, 133 mm wide, 52 mm deep.
- Accessories: 209649A-Universal cover plate. Taupe • 209652A-Universal cover plate. Beige • 209650A-Universal cover plate. Premier White

Part No	Color	Switch Positions (System)	Switch Positions (Fan)	Terminal Designations	Comments	Changeover	LED's	Price
T841A1738	Premier White	EM.HTHEATOF FCOOL	Auto-On	R, Y, W2, W3, E, G, X, O, B		Manual Heat or Cool	EM. HT., AUX.HT	\$123
T841A1498	Beige	EM.HTHEATOF FCOOL	Auto-On	R, Y, W, X, G, B, O, H	Direct replacement for T841A1274.	Manual Cool	EM.HT.	\$108

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THERMOSTAT, NON PROGRAMMABLE-ELECTROMECHANICAL

Y594 COMBINATION PACKS FOR HEAT PUMP AND OTHER MULTISTAGE APPLICATIONS

Comments : For heat pump applications



Part No	Color	Switch Positions (System)	Terminal Designations	Changeover	LED's	Fan Operation	Price
Y594R1664	Beige	EM. HT.-Heat-Off Cool	R, Y, W, X, G, B, O, H, T	Manual Cool	EM.HT.	Auto Fan in Em. Ht.	\$178
Y594R1672	Beige	EM. HT.-Heat-Off Cool	R, Y, W, X, G, B, O, H, T	Manual Cool	EM.HT.	Auto Fan in Em. Ht.	\$168

THERMOSTAT, NON PROGRAMMABLE-ELECTRONIC

T8424 ELECTRONIC MULTISTAGE THERMOSTAT



Electronic Thermostats provide temperature control for 24V heating-cooling systems, including multistage heat pump systems and multistage conventional systems, with manual changeover from heat to cool

- Attractive styling complements any decor
- Ease-of-use means fewer questions and increased satisfaction
- Large display for quick easy readability
- Keys are located by the display for easy access
- Fan and system switches are located on the lower edge to eliminate accidental setting changes
- Easy installation, setup and self-test saves installer time
- Manual changeover from heat to cool eliminates unexpected system operation
- T8400; T8401 for 1 stage heat, 1 stage cool
- T8411 for 2 stage heat, 1 stage cool
- T8424 for up to 2 stage heat, 2 stage cool
- Degree F or C temperature display for added model flexibility
- Selectable heating cycle rate for a variety of applications
- Cooling cycle rate is fixed (3 cph), the standard setting for compressors, for speedy installation
- Setpoints are permanently held in memory (no batteries used) and retained during power outages

Part No	Application	Color	Switch Positions		Terminal Designations	Stages		Price
			(System)	(Fan)		Heating	Cooling	
T8424D1008	Multistage Conventional Heating and Cooling Systems	Premier White	Cool-Off Heat	Auto-On	R,C,W1,W2,Y,Y 2,G,O,B	2	1	\$133

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THERMOSTAT, PROGRAMMABLE—ELECTRONIC

CHRONOTHERM IV PLUS PROGRAMMABLE THERMOSTATS



- Provide electronic control of 24 Vac single-stage or multistage heating and cooling systems, including heat pump systems.
- LARGE display with Bright back lighting makes the LCD very easy to read.
 - Full seven-day program capability; different schedules and temperature setpoints may be selected for everyday to match the homeowner's flexible schedule
 - Copy key makes programming easier and faster for the installer and homeowner.
 - Daylight Saving Time (DST) key for quick change in and out of Daylight Saving Time.
 - Models available with programmable fan operation for added homeowner comfort.
 - Easy temporary temperature setpoint changes for current period, Vacation hold (1 to 255 days) or indefinite hold adds to the homeowner comfort and energy savings
 - Frequently used keys are located by the Liquid Crystal Display (LCD) for quick and easy access to information.
 - Attractive styling complements any decor to the homeowner's delight.
 - Models available with C7089B1000 outdoor temperature sensor capability for homeowner convenience. The sensor is also more accurate than a thermometer.
 - Configurable features allows one model to be used to replace many different models (less inventory, no longer need to carry separate models to get these features):
 - F or C temperature display
 - Automatic or manual changeover
 - Electric or conventional heat fan operation
 - Adjustable heating cycle rate.
 - Minimum off time for cooling compressors and heat pumps protects the equipment and extends the equipment life.
 - Easy installation, setup and system test saves installer time and increases productivity.
 - System test simplifies troubleshooting and saves time by overriding the time delays.
 - Adaptive Intelligent Recovery™ control brings the room temperature to temperature setpoint at the programmed time, maximizing comfort and energy savings.
 - Setpoints are permanently held in memory (no batteries used) and retained during power outages for increased installer and homeowner convenience.
 - Powerstealing, hardwired and battery powered models available for virtually all equipment and application needs.
 - Universal Versaguard™ Thermostat guards available for added security.
 - Adjustable temperature range stops.
- Electrical Ratings: 20 Vac to 30 Vac Frequency: T8600: 60Hz; T8601, T8602, T8611, T8624: 50Hz or 60Hz Humidity Ratings: 5% RH to 90% RH, non-condensing Includes: Logo pocket Mounting: Thermostat mounts on a wallplate. Wallplate mounts horizontally on wall or outlet box with two no. 6 x 32 screws (included). Outdoor Sensor: Optional Programmability: 7 DAY Sensor Element: Thermistor Ambient Temperature: 40 F to 110 F; 4 C to 43 C Differential Temperature: 1 F; 0.5 C Setting Temperature Range: Heat: 40 F to 90 F; Cool: 45 F to 99 F; Heat: 4 C to 32 C; Cool: 7 C to 37 C Dimensions: 3 3/4 in. high, 6 1/16 in. long x 1 9/16 in. deep; 95.3 mm high, 154 mm long, 39.7 mm deep. Accessories: 207396B-Replacement Door for Chronotherm IV, Premier White 209649A-Universal cover plate. Taupe 209650A-Universal cover plate. Premier White 207396A - Replacement Door for Chronotherm IV. Taupe C7089B1000 Outdoor Temperature Sensor

Part No	Application	Color	Terminal Designations	Power Method	Stages		System Switches	Fan Switches	Price
					Heating	Cooling			
T8600D2069	Gas, Oil, Electric Systems	Premier White	W,G,R,Rc,Y,O,B,OT,OT	Power-stealing	1	1	Heat-Off-Cool -Auto	Auto-On	\$180
T8601D2019	Gas, Oil, Electric Systems	Premier White	W,G,R,Rc,Y,O,B,OT,OT	Power-stealing	1	1	Heat-Off-Cool -Auto	Auto-On	\$318

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THERMOSTAT, PROGRAMMABLE—ELECTRONIC

CHRONOTHERM IV PLUS PROGRAMMABLE HEAT PUMP THERMOSTATS



Provide electronic control of 24 Vac single-stage or multistage heating and cooling systems, including heat pump systems.

- Large display with Bright back lighting makes the LCD very easy to read.
- Full seven-day program capability; different schedules and temperature setpoints may be selected for everyday to match the homeowner's flexible schedule.
- Copy key makes programming easier and faster for the installer and homeowner.
- Daylight Saving Time (DST) key for quick change in and out of Daylight Saving Time.
- Models available with programmable fan operation for added homeowner comfort.
- Easy temporary temperature setpoint changes for current period, Vacation hold (1 to 255 days) or indefinite hold adds to the homeowner comfort and energy savings.
- Frequently used keys are located by the Liquid Crystal Display (LCD) for quick and easy access to information.
- Attractive styling complements any decor to the homeowner's delight.
- Models available with C7089B1000 outdoor temperature sensor capability for homeowner convenience. The sensor is also more accurate than a thermometer.
- Configurable features allows one model to be used to replace many different models (less inventory, no longer need to carry separate models to get these features).
 - F or C temperature display
 - Automatic or manual changeover
 - Electric or conventional heat fan operation
 - Adjustable heating cycle rate.
- Minimum off time for cooling compressors and heat pumps protects the equipment and extends the equipment ife.
- Easy installation, setup and system test saves installer time and increases productivity.
- System test simplifies troubleshooting and saves time by overriding the time delays.
- Adaptive Intelligent Recovery™ control brings the room temperature to temperature setpoint at the programmed time, maximizing comfort and energy savings.
- Setpoints are permanently held in memory (no batteries used) and retained during power outages for increased installer and homeowner convenience.
- Powerstealing, hardwired and battery powered models available for virtually all equipment and application needs.
- Universal Versaguard™ Thermostat guards available for added security.
- Adjustable temperature range stops.

Part No	Applicatio n	Color	Terminal Designations	Power Method	Stages		System Switches	Fan Switches	Price
					Heating	Cooling			
T8611G2002	Heat Pump	Taupe	Y1,W1,W2,G,E, L,R,C,O/B, OT, OT,X1,X2	Hardwired	2	1	Heat-EM.Heat -OffAutocool	Auto On	\$350

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THERMOSTAT, PROGRAMMABLE—ELECTRONIC

CHRONOTHERM IV PLUS RF WIRELESS PROGRAMMABLE THERMOSTATS



Provides Wireless control of 24 Vac heating and cooling systems. Use with W8665A for single zone applications or W8665E for zoning applications.

- No wires to the thermostat makes for easy installation.
- Ideal for retrofit zoning.
- Use when current thermostat is in a poor location or to add a thermostat to that room addition.
- LARGE display with Bright back lighting makes the LCD very easy to read.
- Full seven-day program capability; different schedules and temperature setpoints may be selected for everyday to match the homeowner's flexible schedule.
- Copy key makes programming easier and faster for the installer and homeowner.
- Daylight Saving Time (DST) key for quick change in and out of Daylight Saving Time.
- Models available with programmable fan operation for added homeowner comfort.
- Easy temporary temperature setpoint changes for current period, Vacation hold (1 to 255 days) or indefinite hold adds to the homeowner comfort and energy savings.
- Frequently used keys are located by the Liquid Crystal Display (LCD) for quick and easy access to information.
- Attractive styling complements any decor to the homeowner's delight.
- Configurable features allows one model to be used to replace many different models (less inventory, no longer need to carry separate models to get these features).
 - F or C temperature display
 - Automatic or manual changeover
 - Electric or conventional heat fan operation
 - Adjustable heating cycle rate.
- Minimum off time for cooling compressors and heat pumps protects the equipment and extends the equipment life.
- Easy installation, setup and system test saves installer time and increases productivity.
- System test simplifies troubleshooting and saves time by overriding the time delays.
- Adaptive Intelligent Recovery™ control brings the room temperature to temperature setpoint at the programmed time, maximizing comfort and energy savings.
- Adjustable temperature range stops.

Application: Gas, Oil, Electric (Conventional) Changeover: Automatic/Manual Selectable Color: Premier White Currents (Cooling): 1.5A Running, 7.5A Inrush. Currents (Fan): 0.5A Running, 2.5A Inrush. Currents (Heating): 1.5A Running, 3.5A Inrush. Electrical Ratings: 20 Vac to 30 Vac Frequency: 50/60 Hz Humidity Ratings: 5% RH to 90% RH, non-condensing Mounting: Thermostat mounts on a wallplate. Wallplate mounts horizontally on wall or outlet box with two no. 6 x 32 screws included. Power Method: BATTERY Programmability: 7 DAY Sensor Element: THERMISTOR Stages (cooling): See W8665's. Switches (Fan): AUTO-ON Switches (System): HEAT-OFF-COOL-AUTO Terminal Designations: Wireless Transmitter Frequency: 345 MHz. Transmitter Range: 3 ft. minimum; 200 ft. maximum. Stages (heating): 1 HEAT; See W8665's Ambient Temperature: 40 F to 110 F; 4 C to 43 C Differential Temperature: 0.5 C; 1 F Setting Temperature Range: Heat: 40 F to 90 F; Cool: 45 F to 99F; Heat: 4C to 32C; Cool: 7C to 35C Comments: Each thermostat is encoded with unique serial numbers.; Required accessory (not included): W8665A or W8665E Receiver Module. Dimensions: 3 3/4 in. high, 6 1/16 in. long x 1 9/16 in. deep; 95.3 mm high, 154 mm long, 39.7 mm deep.

Part No	Description	Price
T8665A1002	Chronotherm IV Plus Wireless Programmable	\$268

THERMOSTAT, PROGRAMMABLE—PERFECT CLIMATE COMFORT

OUTDOOR SENSOR



Senses the outdoor temperature for display on the PC8900 Control Panel at the touch of a key.

- Convenience feature for homeowners.
- Encapsulated to protect against water and contaminants.
- Mounting clip allows easy sensor positioning on siding or soffit.
- Includes 60 in. leadwires.
- May be located up to 200 feet away.
- Positive temperature coefficient thermistor sensor.
- Factory calibrated; no field calibration required.

Part No	Used With	Price
C7089B1000	Chronotherm IV T8600 and T8500 family thermostats.	\$58

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THERMOSTAT GUARDS-COVERS AND GUARDS

TG511 VERSAGUARD UNIVERSAL THERMOSTAT GUARDS



Enclose and protect wall thermostats against tampering, damage and unauthorized adjustment of thermostat settings.

- Unique double-wall construction provides extra measure of tamper-resistance.
- Used in both new and existing applications.
- Constructed of opaque polystyrene, clear acrylic, or beige painted steel.
- Include opaque polystyrene wallplate, ring base, guard cover, tumbler lock, two keys and optional Honeywell logo insert.
- Wallplate Color: opaque polystyrene.
- Tamper-resistant lock; key cannot be removed without being in locked position.
- All models mount vertically or horizontally on wall or exposed junction box.
- Vents in guard base allow airflow for optimum thermostat performance.
- Size: medium
- Accessories: 191990A - Replacement Keys (2)

Part No	Color	Ring Base Color	Outside			Inside		Price
			Depth	Height	Width	Height	Width	
TG511D1004	Painted Metal	Opaque Polystyrene	2 7/8 in.; 73 mm	6 3/8 in.; 162 mm	7 3/8 in.; 187 mm	5 1/16 in.; 129 mm	6 1/16 in.; 154 mm	\$60
TG511A1000	Clear Acrylic	Clear Acrylic	2 15/16 in.; 75 mm	6 1/2 in.; 165 mm	7 1/2 in.; 191 mm	5 1/16 in.; 129 mm	6 1/16 in.; 154 mm	\$40

TG512 VERSAGUARD UNIVERSAL THERMOSTAT GUARDS



Enclose and protect wall thermostats against tampering, damage and unauthorized adjustment of thermostat settings.

- Unique double-wall construction provides extra measure of tamper-resistance.
- Used in both new and existing applications.
- Constructed of opaque polystyrene, clear acrylic, or beige painted steel.
- Include opaque polystyrene wallplate, ring base, guard cover, tumbler lock, two keys and optional Honeywell logo insert.
- Tamper-resistant lock; key cannot be removed without being in locked position.
- All models mount vertically or horizontally on wall or exposed junction box.
- Vents in guard base allow airflow for optimum thermostat performance.
- TG512A1058 Cover has a hole for access to up, down buttons on thermostat.
- Size: large
- Accessories: 191990A - Replacement Keys (2)

Part No	Color	Ring Base Color	Outside			Inside			Price
			Depth	Height	Width	Height	Width	Wallplate Color	
TG512A1009	Clear Acrylic	Clear Plastic	3 3/8 in.; 86 mm	7 1/4 in.; 184 mm	9 3/4 in.; 248 mm	5 7/8 in.; 149 mm	8 3/8 in.; 213 mm	Opaque Polystyrene	\$40

THERMOSTAT-PARTS AND ACCESSORIES

Part No	Description	Used With	Price
209649A	Universal cover plate, 7 3/8 in. (288 mm) x 5 3/4 in.(146 mm). Taupe	Chronotherm IV T8600, T8601, T8602, T8611, T8624, T810, T822, T834, T841, T874, T800, T8001, T8011, T8024, T8090, T8095, T8190, T8195, T8196 T8411, T8424, T8501, T8511, T8524, T8635, T8665, TS8095	\$28
32005439-001	Taupe Adapter Kit	T87	\$20
104994A	Calibration wrench	T87, T8090, T8095, T8190 after date code 9427	\$10
209650A	Universal cover plate, 7 3/8 in. (288 mm) x 5 3/4 in.(146 mm). Premier White	Chronotherm IV T8600, T8601, T8602, T8611, T8624, T810, T822, T834, T841, T874, T800, T8001, T8011, T8024, T8090, T8095, T8190, T8195, T8196 T8411, T8424, T8501, T8511, T8524, T8635, T8665, TS8095	\$28
209635B	5 3/4 in. (146 mm) x 5 3/4 in. (146 mm) Premier White		\$15

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120 VOLT OIL ELECTRONIC AQUASTAT



- EnviraCOM™ READY - Network EnviraCOM™ devices in the home for local or remote diagnostics and monitoring.
- SUPERIOR PERFORMANCE - With 1° accuracy and faster response times.
- MULTI-FUNCTION DISPLAY - Setpoint, temperature readings and diagnostic information, all at your fingertips.
- NEW SENSOR - Increased reliability with New Sensor Technology.
- EASY INSTALLATION - Improved terminal layout and multiple knockouts make change-outs a snap.
- INCREASED FLEXIBILITY - Vertical, horizontal and now flush mount options. Configurable for single function use.
- INVENTORY SAVINGS - When you standardize on Honeywell's Universal models that replace the majority of multifunction aquastats in the field today.

Description : 120 Vac Oil Electronic Aquastat® Controller with EnviraCOM communication and troubleshooting Leds

Part No	Application	Description	Mounting	Operating Range, High Limit	Differential Temperature	Frequency	Price
L7224U1002	Oil Aquastat Controller	120 Vac Oil Electronic Aquastat® Controller with EnviraCOM communication and troubleshooting Leds	Well mount, horizontal or vertical position, or flush mounted remote from the well.	130 F to 240 F (54 C to 116 C)	High limit : 5-20 F adj.; low limit: 10-25 F adj.	60 Hz	\$323

AQUASTAT, MULTI-FUNCTION AND OIL PRIMARY COMBINATION PROTECTORELAY AND HYDRONIC HEATING CONTROLLERS



Part No	Mounting	Differential	Insulation Depth	Operating Range, High Limit	Price
R8182H1070	On junction box	high limit: 10 F fixed; low limit/circulator: 10 F to 25 F adj.	1 1/2 in. 38 mm	130 F to 240 F 54 C to 116 C	\$635
R8182D1129	Horizontal	high limit: 10 F fixed; low limit/circulator: 10 F to 25 F adj.	1 1/2 in. 38 mm	130 F to 240 F 54 C to 116 C	\$560
R8182D1111	Horizontal	high limit: 10 F fixed; low limit/circulator: 10 F to 25 F adj.	1 1/2 in. 38 mm	130 F to 240 F 54 C to 116 C	\$620
R8182D1079	Vertical	high limit: 10 F fixed; low limit/circulator: 10 F to 25 F adj.	1 1/2 in. 38 mm	130 F to 240 F 54 C to 116 C	\$638

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AQUASTAT, SINGLE-FUNCTION-IMMERSION TYPE

AQUASTAT CONTROLLER



Immersion type controllers for limiting or regulating temperatures of liquids in boilers or tanks.

- Totally enclosed Micro Switch. snap-acting switches operate on temperature rise to setpoint.
- Visible control point scale and external adjustment screw permit easy setting.
- Horizontal or vertical insertion of the sensing element.
- Direct or well immersion of the sensing element.
- Models available for strap-on mounting.
- Remote bulb model may be used to sense air temperature in ducts and in outside air sensing applications.
- TRADELINE models include heat-conductive compound.
- Select models have wells.

Electrical Ratings (millivolt): 0.25 A @ 0.25 to 12 Vdc Maximum Pressure Rating: capillary bulb (direct immersion); 200 psi (1379 kPa), immersion well: 255 psi (1758 kPa) Temperature Ratings (ambient range): 150 F; 66 C Bulb Size: 10 mm x 73 mm copper; 3/8 in. x 2 7/8 in. copper Mounting: Vertical or Horizontal L6006A1145.HorizontalCase Dimensions: L4006.5 5/8 in. high, 2 in. wide, 2 1/8 in. deep 143 mm high, 51 mm wide, 54 mm deep L4006.5 5/8 in. high, 2 in. wide, 2 3/4 in. deep 143 mm high, 51 mm wide, 70 mm deep. Accessories: 137536A Scale Lock Assembly

Part No	Application	Switching Action	Full Load @		Full Locked Rotor @		Differential	Price
			120 Vac	240 Vac	120 Vac	240 Vac		
L4006E1067	High Limit; Manual Reset	SPST, contacts break on temperature rise.	8.0 A	5.1 A	48.0 A	30.6 A	manual reset	\$230
L6006C1018	Circulator Control and High Limit or Low Limit.	SPDT	8.0 A	5.1 A	48.0 A	30.6 A	5 F to 30 F adj. 3 C to 17 C adj.	\$158
L6006A1145	Circulator Control and High Limit or Low Limit.	SPDT	2.6 A	1.3 A	15.6 A	7.8 A	5 F fixed 3 C fixed	\$170
L4006H1004	High limit; strap-on mounting on well mount.	SPST, contacts break on temperature rise.	8.0 A	5.1 A	48.0 A	30.6 A	manual reset	\$248
L4006A1678	High or low limit	SPST, contacts break on temperature rise.	8.0 A	5.1 A	48.0 A	30.6 A	5 F to 30 F adj. 3 C to 17 C adj.	\$160

AQUASTAT, SINGLE-FUNCTION-REMOTE BULB

REMOTE BULB CONTROLLER



For limiting or regulating temperature of liquids in boilers or tanks. Can also sense duct or outside air temperature.

- Remote temperature sensing element detects and responds rapidly to temperature changes.
- Totally enclosed Micro Switch. snap-acting switch.
- Visible control point scale and external adjustment screw permit easy setting.
- Horizontal or vertical mounting of the remote element into boiler, tank, or other container. Case mounts to a vertical surface.

Electrical Ratings (millivolt): 0.25 A @ 0.25 to 12 Vdc Maximum Pressure Rating: capillary bulb (direct immersion) 200 psi (1379 kPa); immersion well: 255 psi (1758 kPa) Mounting: Vertical or Horizontal Temperature Ratings (ambient range): 150 F; 66 C Electrical Ratings (locked rotor): 30.6 A @ 240 Vac; 48.0 A @ 120 Vac Case Dimensions: 5 5/8 in. high, 2 in. wide, 2 1/8 in. deep; 143 mm high, 51 mm wide, 54 mm deep. Bulb Size: 3/8 in. x 2 7/8 in. copper; 10 mm x 73 mm copper Accessories: 137536A-Scale Lock Assembly Q615A1004-Splash Proof enclosure

Part No	Application	Switching Action	Differential	Temperature Ratings (operating range)	Price
L6008A1192	Circulator Control and Low Limit	SPDT	5 F to 30 F adj. 3 C to 17 C adj.	100 F to 240 F 38 C to 116 C	\$270

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DIGITAL PROGRAMMABLE

DIGITAL SYSTEM ACCESSORIES



APPLICATION :
This indoor sensor is designed to sense temperature at a remote location and send this information to the VisionPRO Thermostat. This sensor can be used as a stand alone sensor or as part of an averaging network. Once a remote indoor temperature sensor is connected to the thermostat, the thermostat's sensor is no longer used. The thermostat's installer setup should be modified to tell the thermostat that remote indoor temperature sensor(s) have been used. The Inside temperature reading on the thermostat's display will be the remote sensor(s) temperature location(s).

Part No	Dimensions	Operating Ambient Temperature Range	Display Range	Operating Relative Humidity	Finish	Price
C7189U1005	1 1/2 (38) wide x 2 1/4 (57) high x 3/4 (19) deep.	45 to 88°F (7.2 to 32°C).	0 to 99°F (-18 to 37°C)	5% to 95% non-condensing.	White	\$58

ELECTRONIC FAN TIMER BOARDS

ST9120 ELECTRONIC FAN TIMERS



ST9120A,C,G; integrate control of combustion blower and circulating fan operations in a gas warm air appliance.

- Central appliance wiring point simplifies appliance assembly and service.
- Fixed or field-adjustable heat fan on delay; field adjustable heat fan off delay.

Approvals: UL Component Listed File No.MP466, CSA Listed File No.LR95329
Electrical Ratings: ST9101.24 Vac
ST9120, ST9141.18 to 30 Vac
Frequency: ST9101.50/60 Hz
ST9120, ST9141.60 Hz
Application: A single circuit board providing combustion air blower control. Two speed circulating air blower control, limit circuit inputs, thermostat wiring terminations, and a central appliance wiring point.

Part No	Temperature Ratings	Replaces	Heat Fan		Cool Fan		Price
			On Delay	Off Delay	On Delay	Off Delay	
ST9120U1003	-40 F to +175 F -40 C to +79 C	ST9120B1005, ST9120C2010	fixed, 30 sec.	adj.; set at 120 sec.	fixed 6 sec.	fixed 30 sec.	\$188

ST9103 ELECTRONIC FAN TIMERS



ST9103A integrates control of burner and circulating fan operations in an oil furnace.

- Central appliance wiring point simplifies appliance assembly and service.
- Fixed or field-adjustable heat fan on delay; field adjustable heat fan off delay.

Application: A single circuit board providing combustion air blower control, two speed circulating air blower control, oil primary control, limit circuit inputs, thermostat wiring terminations, & a central appliance wiring point for an oil fixed furnace.

Approvals: UL Component Listed, CSA Listed Cool Fan Off Delay: fixed 0 sec.Cool Fan On Delay: fixed 0 sec. Electrical Ratings: 18 to 30 Vac Frequency: 50/60 Hz Heat Fan Off Delay: adj. 60, 90, 120, 150 (set at 150 sec.) Heat Fan On Delay: fixed, 45 sec. Replaces: ST9103A1002 Temperature Ratings: -40 F to + 150 F; -40 C to + 66 C

Part No	Description	Price
ST9103A1002	Electronic Fan Timer	\$133

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OUTDOOR SENSOR



FEATURES :

- Convenience feature for homeowners.
- Mounting clip allows easy sensor positioning on siding or soffit.
- Includes 60 in. leadwires.
- Factory calibrated; no field calibration required.
- Maximum wire run of 200 feet.

Description : Outdoor Sensor used to measure outdoor temperature

Seer : Mounting Clip provided and screws provided

De-Hum : 2 1/4 in. x 3/8 in. with 60 in. leadwires (57 mm x 10 mm with 1524 mm leadwires)

Part No	Capacity	Voltage	Brkr Sz	Rla	Operating	Price
					Controls	
C7089U1006	Outdoor Sensor used to measure outdoor temperature	VisionPRO® Series Thermostats	Sensor	-40 F to +120 F (-40 C to +49 C)	5 to 95% RH, non-condensing	\$50

LIMIT CONTROLS



FEATURES :

- Three wiring terminal options available for easy installation • Push-in receptacles for stripped wire • Female receptacles for 1/4 in. male flag connectors. • Field add-on screw terminals. • Controls adapt to many competitive mounting holes in replacement applications. • Available in a variety of fan and high limit setting ranges. • L4064B,W models have manual fan switch that overrides fan control to keep fan running continuously. • SUPER TRADELINE models include deluxe case with mounting adapters for easy installation and • Strain relief bushings to protect wiring from field abuse.

Dimensions : 4 9/32 in. high x 3 in. wide x 1 19/32 in. deep excluding element

Description : Fan and Limit Controller with 125 F fan on and 100 F fan off stops, 200 F high limit stop and 8 in. Insertion

Part No	Description	Application	Differential Temperature	High Limit Temperature Range	Element Insertion Length (in)	Fan-on Range (F)	Price
L4064W1080	Fan and Limit Controller with 125 F fan on and 100 F fan off stops, 200 F high limit stop and 8 in. Insertion	Forced warm air Heating systems	High limit 25 F(High limit 14 C)	100 F to 250 F	5 in (203 mm)	20 to 90 sec. after call for heat (50 F to 200 F)	\$173
L4064W1098	Fan and Limit Controller with 125 F fan on and 100 F fan off stops, 200 F high limit stop and 8 in. Insertion	Forced warm air Heating systems	High limit 25 F(High limit 14 C)	100 F to 250 F	8 in (203 mm)	20 to 90 sec. after call for heat (50 F to 200 F)	\$173
L4064W1106	Fan and Limit Controller with 125 F fan on and 100 F fan off stops, 200 F high limit stop and 8 in. Insertion	Forced warm air Heating systems	High limit 25 F(High limit 14 C)	100 F to 250 F	11 in (203 mm)	20 to 90 sec. after call for heat (50 F to 200 F)	\$173

THERMOSTATS & CONTROLS

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OUTDOOR SENSOR

TEMPERATURE CONTROLLERS

**FEATURES :**

- Suitable for applications requiring temperature control of air or liquids where controller must be placed outside the sensing area.
- Typical uses include control of dampers and valves in heating, cooling and heating-cooling systems.
- Fast response models (available for use in return air duct) operate approximately four times faster than standard models.
- Controller can be mounted in any position.
- Ambient temperature compensation provides good temperature control.
- Refer to T775 Electronic Remote Temperature Controller where more exact control is required and/or remote controller location is preferred.

Application : Regulates temperature of air or liquids in ducts, pipes, tanks and boilers

Description : Remote bulb Commercial Temperature Controller, 0 F to 100 F, 5 ft. capillary, Copper bulb sensing element

Part No	Description	Comments	Differential Temperature	Output	Frequency	Price
T675A1516	Remote bulb Commercial Temperature Controller, 0 F to 100 F, 5 ft. capillary, Copper bulb sensing element	Includes 107324A Duct Bulb Holder	1 F fixed (0.6 C fixed)	1 Spdt	60 Hz;50 Hz	\$198

TEMPERATURE SENSORS

**FEATURES :**

- Factory-calibrated negative temperature coefficient (NTC) thermistor sensing element.
- Mount on wall or 2 x 4 in. vertical outlet box.
- Locking cover.
- Override button.
- Warmer/cooler buttons on some models.
- 710 ohm models are for use with certain multiple sensor configurations.
- See T7300 product literature for details.

Application : Provides space temperature sensing, switch initiation, and indication of overrides from a remote location

Mounting : Mounts on wall or 2 x 4 inch vertical outlet box.

Description : 1420 ohm Remote Sensor and Override Module

Part No	Description	Used With	Color	Comments	Operating Temperature Range	Price
T7147A1002	1420 ohm Remote Sensor and Override Module	T7300/Q7300	Beige	Series 1000 styling with override button	40 F to 110 F (4 C to 43 C)	\$170

Description : Coverplate assembly for use with FocusPRO™ TH5110 thermostat. Includes one small and one medium overplate, bracket for j-boxes and mounting hardware. Small coverplate is 4 5/16 in. x 5 1/2 in. Medium coverplate is 5 in. x 6 7/8 in.



Part No	Used With	Color	Size	Price
50001137-001	FocusPRO™ TH5110 Thermostat	Premier White	Small Cover Plate 4 5/16 in. high, 5 1/2 in. wide. Medium Cover Plate 5 in. high, 6 7/8 in. wide	\$20

MAGNETIC VALVE



Dimensions : 70 mm high x 41 mm wide x 67 mm deep.

Approvals : Factory Mutual Listed: Report 16960.

Description : For controlling the flow of oil in an oil line. Valve opens with a time delay being energized. Valve closes on power failure

Part No	Description	Electrical				
		Ratings	Valve Opening Time	Frequency	Pipe Size (inch)	Price
V4046A1074	For controlling the flow of oil in an oil line. Valve opens with a time delay being energized. Valve closes on power failure	120 Vac	3 sec to 8 sec	60 Hz	1/8 in.	\$100
V4046B1049		150 psi; 300 psi 1034.2 kPa; 2068.4 kPa	Immediate			\$100

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FAN AND LIMIT CONTROLS



For control of high limit and fan motor in all types of forced air heating systems.

- Three wiring terminal options available for easy installation: - push-in receptacles for stripped wire, -Female receptacles for 1/4 in male flag connectors, and - field add-on screw terminals.
- Controls adapt to many competitive mounting holes in replacement applications.
- Available in a variety of fan and high limit setting ranges.
- L4064B,W models have manual fan switch that overrides fan control to keep fan running continuously.
- SUPER TRADELINE models include deluxe case with mounting adapters for easy installation and strain relief bushings to protect wiring from field abuse.

Application: L4064B.Turns fan on and off according to plenum temperature. With helical bimetal sensing element. High limit stop factory set at 200F (93 C). Replaces L4064A,B,E.

Part No	Mounting	Dimensions	Element Insertion Length	Range of Fan		Max Ambient Temperature Ratings		Price
				On	off	Switch	Sensing Element	
L4064B2228	Surface	5 3/8 in. high, 3 in. wide, 2 in. deep excluding element. 137 mm high, 76 mm wide, 51 mm deep excluding element	5 in. 127 mm	65 F to 215 F 18 C to 102 C	50 F to 200 F 10 C to 96 C	190F; 88 C	350 F; 177 C	\$110
L4064B2236	Surface	5 3/8 in. high, 3 in. wide, 2 in. deep excluding element. 137 mm high, 76 mm wide, 51 mm deep excluding element	8 in. 203 mm	65 F to 215 F 18 C to 102 C	50 F to 200 F 10 C to 96 C	190F; 88 C	350 F; 177 C	\$110
L4064W1080	Surface or Rigid Bracket	4 5/16 in. high, 3 in. wide, 1 5/8 in. deep excluding element 109 mm high, 76 mm wide, 41 mm deep excluding element	5 in. 127 mm	Upon call for heat.	50 F to 200 F 10 C to 96 C	115 F; 46 C	350 F; 177 C	\$173
L4064W1106	Surface or Rigid Bracket	4 5/16 in. high, 3 in. wide, 1 5/8 in. deep excluding element 109 mm high, 76 mm wide, 41 mm deep excluding element	11 1/2 in. 292 mm	Upon call for heat.		115 F; 46 C	350 F; 177 C	\$173
L4064B2210	Surface	5 3/8 in. high, 3 in. wide, 2 in. deep excluding element. 137 mm high, 76 mm wide, 51 mm deep excluding element	11 1/2 in. 292 mm	65 F to 215 F 18 C to 102 C	50 F to 200 F 10 C to 96 C	190F; 88 C	350 F; 177 C	\$113

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HONEYWELL

FAN CENTER

R8239 CONTROL CENTER



Include NEMA standard transformer for excellent voltage control. Provide low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling or heating-cooling circuits.

- NEMA standard Type D transformer (included) powers low voltage control systems.
- Provide overload protection for transformer.
- Convenient connections for thermostat, and heating-cooling equipment wiring.
- Mount on standard 4 x 4 junction box.
- Can be mounted in any indoor location without additional enclosure.
- Relay is easily replaced without disturbing wiring.
- Include relay enclosures.

• Coil Ratings: 20 VA maximum, 17 VA nominal. • Coil Ratings (Sealed): 10 VA maximum, 9 VA nominal • Electrical Ratings: 12 W maximum • Locked Rotor: 41.4 A; 72 A • Full Load: 12 A; 6.9 A • Horsepower: 3/4 hp • Dimensions: 4 1/2 in. high, 4 3/16 in. wide, 3 3/32 in. deep; 114 mm high, 106 mm wide, 79 mm deep.

Part No	Application	Switching Action	Power Supply	Primary Power Supply	Secondary Power Supply	Price
R8239A1011	For single-or two speed fan.	SPDT	40 VA	208 Vac 240 Vac	26.5 V	\$103
R8239B1043	For system with F50 Electronic Air Cleaner humidifier and blower motor.	DPDT	40 VA	120 Vac	26.5 V	\$90
R8239A1052	For single-or two speed fan.	SPDT	40 VA	120 Vac	26.5 V	\$78

R8285 CONTROL CENTER



Provides low voltage control of line voltage fan motors and auxiliary circuits in heating, cooling, or air conditioning systems.

- Transformer powers low voltage control systems and provides overload protection.
- Low voltage terminal board provides convenient connections for thermostat and heating/cooling equipment wiring.
- Mounts on standard 4 in. x 4 in. junction box.
- Relay is easily replaced without disturbing wiring.
- Electrical Ratings: 11 W maximum • Locked Rotor: 35 A; 72 A • Horsepower: 3/4 hp • Dimensions: 4 3/16 in. high, 4 1/2 in. wide, 2 13/16 in. deep; 106 mm high, 114 mm wide, 71 mm deep.

Part No	Application	Switching Action	Power Supply	Secondary Power Supply	Full Load	Price
R8285B1053	For <input type="checkbox"/> Total Comfort <input type="checkbox"/> applications with electronic air cleaner, humidifier and blower motor.	DPDT	50 VA	26.5 V	12 A; 6.0 A	\$93
R8285A1048	For single-or two speed fan.	SPDT	40 VA	26.5 V	12 A; 6.0 A	\$55

GAS IGNITION MODULES-ACCESSORIES

Part No	Description	Price
394800-30	Cable Assembly	\$55

HONEYWELL

GAS IGNITION MODULES-ELECTRONIC INTERMITTENT PILOT

UNIVERSAL INTERMITTENT PILOT MODULE



- Field service replacement for most Honeywell, Robertshaw, Johnson, and UTEC (HSC) Intermittent Pilot Ignition Modules. Provides electronic control of most intermittent pilot ignition systems used on gas-fired furnaces, boilers, and other heating appliances.
- Provides ignition sequence, flame monitoring and safety shutoff for intermittent pilot central furnaces and heating appliances.
 - Provides 100 percent pilot gas shutoff if pilot fails to light; after 6-minute delay, trial for ignition is repeated. Ignition trial/delay sequence is repeated until the appliance lights or call for heat is removed.
 - For use in single rod or dual rod/remote sense applications.
 - Includes relay contacts for use with any intermittent pilot gas control string with maximum 1.0A pilot or 2.0A main valve rating; Honeywell VR8204, VR8304 or VR8345M combination gas control recommended.
 - Includes spark cable adapters to allow field replacement of both Honeywell and competitive controls without replacing existing spark cable.
 - For use with Natural or LP gas.

Part No	Description	Ignition Trial Time	Lockout Timing	Ignition Trials To Lockout	Typical Ignition Hardware	Price
S8610U1003	Intermittent Pilot Control	Continuous retry	90 sec. max.	Continuous retry	Q345, Q3451, Q3452	\$225

UNIVERSAL HOT SURFACE IGNITION MODULE



- Provides operating control of a direct ignition system using a 120 Vac hot surface igniter.
- Provides easy field-replacement of a wide range of hot surface ignition modules manufactured by Honeywell, Robertshaw, and White-Rogers. Refer to the product specification sheet for specific models that can be replaced by the S8910U.
 - For 120 Vac (up to 5.0A) hot surface igniter (Norton 201/271 or equivalent).

Part No	Description	Price
S8910U1000	Hot Surface Ignition Control	\$220

GAS IGNITION MODULES-HOT SURFACE IGNITION

UNIVERSAL RETROFIT INTERMITTENT PILOT GAS BURNER IGNITION SYSTEMS



- Complete kits converting conventional standing pilot system to intermittent pilot system. For use with 24 Vac gas-fired atmospheric furnaces, boiler and heating appliances.
- Y8610U kits are for use with natural or LP gas: provides 100 percent pilot gas shutoff if pilot fails to light; after 6-minute delay, trial for ignition is repeated.
 - Ignition trail/delay sequence is repeated until the appliance lights or call for heat is removed.
 - Y8610F kits are for use with natural gas only: continuous trail for ignition until the pilot lights or the system in shutdown manually.
- Ignition Sequence : Continuous retry [after trial for ignition, pilot gas shuts off for 5 minutes, then another trial for pilot ignition takes place]

Part No	Temperature Ratings (max ambient)	Typical Gas Control	Gas Type	Price
Y8610U3003	-40 F to +165 F -40 C to +74 C	VR8304M Dual Valve Combination Gas Control	LP/Natural	\$428

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GAS VALVES, ELECTRONIC SINGLE STAGE-DIRECT IGNITION

UNIVERSAL ELECTRONIC IGNITION COMBINATION GAS CONTROL



Universal electronic ignition combination gas control for use with direct spark ignition, hot surface ignition or intermittent pilot ignition in 24 Vac, gas-fired appliances, with capacities from 30 to 415 cfh.

- Control includes manual valve, two automatic operators, pressure regulator, pilot adjustment, pilot plug and ignition adapter.
- Replaces virtually any IP, HSI, or DSI gas control.
- For use with natural or manufactured gas or LP gas.
- Includes converter kit to adapt from natural to LP gas.
- Compact size.
- All adjustments and wiring connections accessible from top of control.
- Four-inch swing radius allows easy rotation into position inside the tightest furnace vestibules.
- Clearly marked, keyed terminal block allows quick attachment of wires and IP/DSI/HSI jumper.
- Internal inlet screen blocks contaminants in gas line from entering valve.
- Body pattern: Straight-through with 3/4 in. x 3/4 in. inlet and outlet.
- Electrical Ratings: 24 Vac
- Frequency: 60 Hz
- Ignition Type: Direct Ignition/Intermittent Pilot
- Inlet/Outlet Size: 3/4 in. x 3/4 in.
- Mounting: 0 to 90 degrees in any direction from upright position of gas control knob, including vertically.
- Opening Characteristics (standard, step): Standard
- Pressure Tapping: 1/8 in. NPT with plug
- Type of gas: Natural
- Pressure Regulator Setting: 3.5 in. w.c.; 0.87 kPa
- Temperature Ratings: -40 F to +175 F; -40 C to +79 C
- Dimensions: 5 3/8 in. high, 4 1/16 in. wide, 2 11/16 in. deep; 135 mm high, 104 mm wide, 69 mm deep.
- Includes: Two 3/4 in. x 1/2 in. NPT reducer bushings and one 1/2 in. x 3/8 in. NPT bushing.

Part No	Description	Price
VR8345M4302	24V Dual Direct Ignition/Intermittent pilot Gas Valve, 300 cfh Capacity (.64 sg)	\$210

GAS VALVES, ELECTRONIC SINGLE STAGE-INTERMITTENT PILOT

INTERMITTENT PILOT DUAL AUTOMATIC VALVE COMBINATION GAS CONTROL



Part No	Temperature Ratings	Type of Gas	Frequency	Pressure Regulator Setting	Inlet/Outlet Size	Opening Characteristics (standard, step)	Price
VR8304M4507	-40 F to +175 F -40 C to +79 C	Natural	60 Hz	3.5 in. w.c. 0.87 kPa	3/4 in. x 3/4 in.	Standard	\$193

HUMIDITY CONTROLS-HUMIDISTAT/DEW POINT CONTROL

OUTDOOR SENSOR



Senses the outdoor temperature to provide information for the H1008 Automatic Humidity Control.

- Encapsulated to protect against water and contaminants.
- Mounting clip allows easy sensor positioning on siding or soffit.
- Includes 6 in. leadwires.
- Can be located up to 200 feet away from the H1008 Automatic Humidity Control.
- Negative temperature coefficient thermistor sensor 10K nominal resistance at 77 F (25 C).
- Dimensions: 1-1/2 in. x 1/4 in. (38 mm x 6 mm).
- Humidity Rating: 5 to 95% RH, noncondensing.
- Mounting: Mounts outside of living space using locally obtained mounting hardware.

Part No	Description	Used With	Price
C7089H1007	Outdoor Sensor used to measure outdoor temperature	H1008A,D Automatic Humidity Controls	\$43

IGNITORS AND SENSORS-DIRECT IGNITION FLAME SENSOR

CADMIUM SULFIDE FLAME DETECTOR



Photoconductive flame sensing device for sequencing oil burner systems.

- On flame failure, the light sensitive cadmium sulfide cell, in conjunction with flame sensing circuitry, causes the Protectorelay® control to shutdown the main oil burner.
- Glass-to-metal hermetic seal in plug-in cell prevents deterioration by humidity, soot or oil fumes.

Temperature Ratings: 140 F; 60 C

Lead Length: 60 in.; 152.4 cm

Dimensions: 1 7/8 in. high, 1 in. long, 1/2 in. wide; 47 mm high, 25 mm long, 13 mm wide

Accessories: 4074BJS-Oil line mounting bracket assembly, including nut and screw

Replacement Parts: 120320 Replacement Cad Cell. 7.5 mA minimum sensitivity at 2 ft. candles; 130367 Replacement Cad Cell. 12.0 mA minimum sensitivity at 2 ft. candles.

Part No	Electrical Connections	Mounting Bracket	Price
C554A1463	leadwires: NEC Class 1; Includes 2 flag 1/4 in. quick connects.	Type A, B, E, J, P	\$33

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LINE AND LOW VOLTAGE COMMERCIAL THERMOSTATS

FARM CONTROLLERS



Provide line voltage control of heating, cooling and ventilating systems in farm buildings or storage areas.

- Use in barns, poultry houses, hog barns, pump houses, milk houses and crop storage houses.
- Treated to resist corrosion.
- Slots in front and bottom of case provide maximum air circulation over the coiled sensing element.
- SPDT snap switches permanently sealed against corrosion.
- Easy mounting using screws through holes in back of case.

Type: Agricultural Temperature Controller
Dimensions: 4-5/16 in. high, 6-1/16 in. wide, 2-7/8 in. deep;
110 mm high, 154 mm wide, 73 mm deep.

Part No	Comments	Differential Temperature	Temperature		Output	Price
			Range	Rating (max ambient)		
T631C1103	Gray finish	5.0 F; 2.8 C	-30 F to +100 F -34 C to +38 C	125 F; 52 C	1 SPDT (1 hp at 0.7K W)	\$198

MOTORS AND ACTUATORS

COUPLED & ACCESSORIES



Includes : Two SPDT Switches
Used With : ML6161, ML6174, ML7161, ML7174

Part No	Description	Price
201052B	Auxiliary Switch	\$73

OIL PRIMARY CONTROLS-INTERMITTENT

R8184G PROTECTORELAY OIL BURNER CONTROL



Provides automatic, nonrecycling control of an intermittent ignition oil burner system.

- Controls oil burner, oil valve (if desired) and the ignition transformer in response to a call for heat.
- Solid state flame sensing circuit.
- LED on terminal strip indicates system lockout. Remote lockout indication available on some models.
- Enclosed safety switch with external reset button.
- Manual trip lever opens safety switch for system maintenance.
- Mounts on standard 4 in. x 4 in. junction box; select models may be mounted directly on burner housing.
- C554A Cadmium Sulfide Flame Detector and 24 Vac thermostat required.

Part No	Timing, Safety Switch	Price
R8184G4009	45 sec.	\$133
R8184G4074	30 sec.	\$178
R8184G4066	15 sec.	\$178

R8184M PROTECTORELAY OIL BURNER CONTROL



Operates the oil burner and oil valve (if desired) in response to a call for heat from a low voltage control circuit.

- Ignition is on whenever the burner is on (intermittent ignition. also called constant ignition).
- Solid state flame sensing circuit.
- External button to manually reset safety switch after lockout.
- Enclosed safety switch must be manually reset after safety shutdown.
- R8184M includes 40 VA transformer and Y and G terminals for connection of cooling equipment.
- Mounts on standard 4 in. x 4 in. junction box.
- C554A Cadmium Sulfide Flame Detector and a 24 Vac thermostat required.

Part No	Description	Price
R8184M1051	Protectorelay® Oil Burner Control	\$230

THERMOSTATS & CONTROLS

THERMOSTATS & CONTROLS**HONEYWELL****OIL PRIMARY CONTROLS-INTERMITTENT/INTERRUPTED****INTERRUPTED ELECTRONIC OIL PRIMARY**

Alarm Load Ratings (pilot duty): 2amps@30 Vac
 Alarm Load Ratings (resistive): 2amps@30 Vac
 Electrical Connections: Burner motor, oil valve, ignition, cad cell, limit, thermostat, alarm
 Ignition Type: Interrupted
 Lead Length: 10 in.; 254 mm
 Temperature Ratings: -40 F to + 147 F; -40 C to + 64 C
 Dimensions: 4 5/32 in. long, 4 11/32 in. wide, 2 1/2 in. high; 105.4 mm long, 110.5 mm wide, 63.5 mm high
 Approvals : UL & CUL Component Recognized
 Mounting Bracket : Junction box on main burner

Part No	Description	Timing, Safety Switch	Price
R7184U1004	Electronic Oil Primary w/selectable valve and blower delays	15 sec.	\$183
R7184B1024	Electronic Oil Primary with 15 second Valve on Delay	15 sec.	\$145
R7184A1026	Electric Oil Primary	15 sec.	\$123

OIL PRIMARY CONTROLS-STACK RELAY PARTS

Part No	Description	Price
130367	Replacement Cad Cell Eye (plug-in)	\$28

PROTECTORELAY CONTROLS

One-piece, stack-mounted oil burner primary controls that cycle the burner on and shut down the burner on flame loss or system malfunction.

- Combine a Protectorelay® unit for cycling the burner and a Pyrostat® flame detector for sensing temperature changes of flue gases up to 1000 F (556 C).
- Manual reset of safety switch required after ignition failure completely shuts off main burner.
- Include manual trip safety switch to assure burner shutdown during servicing.
- Mount with flange for mounting on curved or flat surfaces.
- Use with line voltage or 24 Vac Control Circuit.

Part No	Description	Price
RA117A1047	Replacement Cell Assembly, 400-1600 Ohm Sensitivity	\$263

PILOT BURNERS-ACCESSORIES PARTS

Part No	Description	Price
390686-1	LP Orifice for Q314, Q345, Q3450, Q3451, Q3452 Pilot Burners. Orifice stamped: BBR10	\$10
Q3400A1024	Igniter Flame Rod Assembly	\$120

PILOT BURNERS-INTERMITTENT PILOT BURNER**INTERMITTENT IGNITION PILOT BURNER**

Nonprimary-aerated combination pilot burner and ignitor. Used with the S86, S860, S8610, or S8670 in intermittent pilot systems.

- Includes pilot burner with bracket, ceramic-insulated Kanthal flame rod/spark igniter and ground strap.
- Aeration: non-primary
- Compression Fitting Length: 1 1/4 in.
- Includes: 1/4 in. CC inlet fitting and mounting adapter
- Mounting Bracket: B
- Orifice: BCR-18
- Temperature Ratings Leadwires: Max. at electrode tip: 968 C
- Tip Style: Single
- Type of gas: Natural

Part No	Direction Of Front Tip	Price
Q345A1305	(F) Front	\$45
Q345A1313	(L) Left	\$45
Q345A1321	(K) Right	\$45

HONEYWELL

PILOT BURNERS-PILOT BURNER ASSEMBLY



- Nonprimary-aerated, insert orifice type pilot burner for main burner ignition with Q340 or Q390 Thermocouple for Pilotstat safety control operation.
- Use with Q313 Thermopile Generator for 750 mV powerpile applications.
 - Aeration: Non-Primary Aeration
 - Approvals: IAS; File No. L2025001
 - Compression Fitting Size: 1/4 in.
 - Orifice: BCR-18
 - Tip Style: Single

Part No	Mounting Bracket	Gas Type	Price
Q314A4586	B	LP; Natural	\$40

REFRIGERATION

REFRIGERATION TEMPERATURE CONTROLLER



- Provide limit or temperature control in refrigeration areas where remote mounting of sensing element is required.
- Liquid-filled copper element provides rapid sensing to control the compressor system.
 - Control temperature in a duct, tank, freezer, or cooler.
 - Controller element can be immersed in the controlled medium.
 - Adjustable control setpoint.
 - Ambient temperature compensation provides good temperature control. Refer to T775 Electronic Remote Temperature
 - Controller where more exact control is required and/or remote controller location is preferred.

Part No	Dimensions	Switching	Setting Temperature Range	Capillary Length	Price
T6031A1029	5-5/8 in. (143 mm) high 2 in. (51 mm) wide 2-1/8 in. (54 mm) deep	1 SPDT	-30 F to 90 F -34 C to 32 C	8 ft 2.4 m	\$113

RELAYS-ELECTRIC HEAT SEQUENCER

FAN RELAY



- Provide general purpose and heavy duty switching for refrigeration and air conditioning equipment, appliances, vending machines and similar applications.
- Molded terminal numbers and circuit diagram on top of relay provide easy identification for wiring and checking system operation.
 - Untapped coil assures cooler operation.
 - Laminated magnet construction for higher efficiency.
 - Base designed for easy replacement of competitive relays.
 - Double quick-connect coil terminals.
 - Plug compatible with Steveco 90-340 and Mars 90340.

Part No	Switching	Coil Ratings Voltage	Electrical Ratings, Contacts-resistive@		Electrical Ratings, Contacts-full load @		Price
			120 Vac	240 Vac	240 Vac	240 Vac	
R8225A1017	Spdt	24 Vac	N.O.16.0 A, N.C.14.0 A	N.O. 8.0 A, N.C. 7.0 A	N.O.14.0 A, N.C. 14.0 A	N.O. 8.0 A, N.C. 7.0 A	\$78

RELAYS-GENERAL PURPOSE RELAY

PLATE-MOUNTED RELAY RECEPTACLE



- For installing R4222, R8222 and R4228, R8228 relays on junction boxes.
- Use with appropriate relay and AT72D1683 or AT72D1691 Super Tradeline Transformer.
 - Includes relay receptacle, cover and eight leadwires.
- Dimensions: 4 in• x 4 in• plate; 102 x102 mm plate

Part No	Description	Price
Q633A1007	4 In. X 4 In. (102 Mm X 102 Mm) Plate-Mounted Relay Receptacle With Metal Relay Cover And 8 Color-Coded Plug-In Lead Wires.	\$35

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RELAYS-GENERAL PURPOSE RELAY

HEAVY DUTY SWITCHING RELAYS

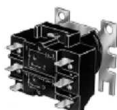


Provide general purpose and heavy duty switching for refrigeration and air conditioning equipment, appliances, vending machines and similar applications.

- Molded terminal numbers and circuit diagram on top of relay provide easy identification for wiring and checking system operation.
- Untapped coil assures cooler operation.
- Laminated magnet construction for higher efficiency.
- Base designed for easy replacement of competitive relays.
- Double quick-connect coil terminals.
- Plug compatible with Stevco 90-340 and Mars 90340.

Part No	Approvals	Full					
		Load @ 120 Vac	Locked Rotor @ Vac 120	Switching	Resistive	Pilot Duty	Price
R4222D1013	UL Component Recognized; CSA & CE Approved	12 A	60 A	SPDT	20.8 A	125 VA	\$33
R8222B1067	UL Listed: File No. E59779, Guide No. NLDX2; CSA: File No. LR35066, Guide No. 184-N-13.13			SPDT		25 Vac	\$28
R4222B1082	UL Component Recognized; CSA & CE Approved	12 A	60 A	SPDT	20.8 A	125 VA	\$35

GENERAL PURPOSE RELAY



Provide general purpose and heavy duty switching for refrigeration and air conditioning equipment, appliances, vending machines and similar applications.

- Molded terminal numbers and circuit diagram on top of relay provide easy identification for wiring and checking system operation.
- Untapped coil assures cooler operation.
- Laminated magnet construction for higher efficiency.
- Base designed for easy replacement of competitive relays.
- Double quick-connect coil terminals.
- Plug compatible with Stevco 90-340 and Mars 90340.

Part No	Description	Price
R8222D1014	General Purpose Relay	\$30

REMOTE TEMPERATURE CONTROLLERS ACCESSORIES

Part No	Description	Price
107408	Heat Conductive Compound, 4 ounces	\$23
107323A	Remote Bulb Shield Assembly, 3/8 in. diameter bulbs, < 5 in. long	\$30

SAIL SWITCHES



Used in forced air systems to activate electronic air cleaners, humidifiers, or other auxiliary equipment in response to airflow from system fan.

- Used in electric air systems to prove minimum airflow.
- Allows auxiliary equipment, such as humidifiers, duct heaters, or damper motors to be wired independently of blower motor.
- Senses vertical or horizontal airflow with appropriate selection of bias spring.
- Consists of polyester film sail mounted on an SPDT, Micro Switch snap-acting switch.

Part No	Description	Price
S688A1007	Air Flow Switch	\$95

HYDRONIC SWITCHING RELAY



The RA889A Switching Relay with 24 V controller provides intermediate switching of line- and low-voltage devices from a linear low-voltage controller and is typically applied in Hydronic heating systems.

- High load switching capability.
- Troubleshooting LED.
- Push-to-test button.
- Replaceable transformer fuse.
- Long-life DC relay drive control technology.
- Relay for use with external 24 Vac or 24 Vdc supply, with linevoltage control, or with internal 24 V transformer supply.
- One model replaces many Honeywell models.
- Secondary of transformer protected by replaceable 1A automotive fuse.

Part No	Description	Price
RA889A1001	Switching Relay	\$95

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TRANSFORMERS-24 VOLT GENERAL PURPOSE

GENERAL PURPOSE



Provide power to 24 Vac circuits in heating/cooling control systems. Intended for use in systems with predictable, uniform loads. Can be used in any application that does not exceed the listed ratings.

- Meet NEC Class 2 requirements.
- Meet Underwriters Laboratories Inc. Standard UL 1585 and are identified .Class 2 not wet, Class 3 wet.

Electrical Ratings -Output: 24 V at 20 VA Electrical Ratings -Secondary Voltage: 27 V.O.C. Frequency: 60 HzAT150B1252.50/60 Hz Temperature Ratings: -20 F to +105 F; -29 C to +41 C

Part No	Dimensions	Electrical Ratings -Primary Voltage	Primary Electrical Connections	Secondary Electrical Connections	Price
AT175A1008	3 3/16 in. high, 2 3/8 in. wide, 3 5/8 deep. 81 mm high, 60 mm wide, 92 mm deep	120 V 208 V 240 V	9 in. lead wires 229 mm lead wires	(2) screw terminals	\$70
AT150A1007	1 11/16 in. high, 3 3/16 in. wide, 1 3/4 in. deep. 43 mm high, 81 mm wide, 75 mm deep	120 V, 208 V ,240 V	9 in. lead wires 229 mm lead wires	(2) screw terminals	\$33
AT140B1214	1 11/16 in. high, 3 1/2 in. wide, 1 3/4 in. deep. 43 mm high, 89 mm wide, 75 mm deep	120 V, 208 V ,240 V	9 in. lead wires 229 mm lead wires	9 in. lead wires 229 mm lead wires	\$18
AT120A1004	2 7/8 in. high, 1 7/8 in. wide, 2 15/16 in. deep. 73 mm high, 48 mm wide, 75 mm deep.	120 V, 208 V ,240 V	9 in. lead wires 229 mm lead wires	(2) screw terminals	\$25
AT140A1018	3 3/16 in. high, 2 3/8 in. wide, 3 1/8 in. deep. 81 mm high, 60 mm wide, 79 mm deep	120 V, 208 V ,240 V	9 in. lead wires 229 mm lead wires	(2) screw terminals	\$28

TRANSFORMER



Powers 24 Vac air conditioning circuits and other applications that do not exceed the listed ratings.

- Meets .NEC Class 2 not wet, Class 3 wet. and U.L. 1585 requirements.
- Overload protection provided.
- Color-coded leadwires for primary connections.

Electrical Ratings -Output: 24 V at 75 VA Electrical Ratings -Secondary Voltage: 26.5 V.O.C. Frequency: 50/60 Hz Includes: Internally fused secondary for overload protection. Mounting: foot-mounted Temperature Ratings: -20 F to +105 F; -29 C to +41 CElectrical Connections (Primary): 12 in. lead wires; 305 mm leads Electrical Connections (Secondary): 12 in. leads.; 305 mm lead wires Dimensions: 2 15/16 in. high, 2 3/16 in. wide, 3 5/16 in. deep; 75 mm high 56 mm wide, 84 mm deep.

Part No	Electrical Ratings -Primary Voltage	Approvals	Price
AT88A1047	480 V	CSA Certified	\$140
AT88A1005	120 V	UL Component Recognized. CSA Certified.	\$145

TRANSFORMERS-24 VOLT NEMA RATED

AT72 NEMA STANDARD TRANSFORMER



24V control circuit step-down transformer designed to power any 24V control system, including thermostats, gas valves and relays.

- Energy limiting, meets NEMA Standard DC20-1992. Transformer is marked .NEMA Type D..
- Meets .NEC Class 2 not wet, Class 3 wet. and U.L. 1585 requirements.
- Mount within proper enclosure.

Electrical Ratings -Output: 24 V at 40 VA Electrical Ratings -Secondary Voltage: 26.5 V.O.C. Frequency: 50/60 HzNEMA Ratings: NEMA type D Temperature Ratings: -20 F to +105 F; -29 C to +41 C

Part No	Dimensions	Electrical Ratings -Primary Voltage	Primary Electrical Connections	Secondary Electrical Connections	Price
AT72D1683	3 7/32 in. high, 2 7/32 in. wide, 3 1/16 in. deep. 81.8 mm high, 56.4 mm wide, 77.8 mm deep	208 V 240 V w/40 VA output rating	9 in. lead wires 229 mm lead wires	(2) screw terminals	\$45

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TRANSFORMERS-24 VOLT NEMA RATED

AT87 NEMA STANDARD TRANSFORMER



Used primarily for powering 24V air conditioning circuits. Can also be used in other applications that do not exceed the listed ratings.

- Meets .NEC Class 2 not wet, Class 3 wet. and UL 1585 requirements.
- Meets NEMA Standard DC20-1992.
- Transformer marked .NEMA Type E..
- Overload protection provided.
- Color-coded leadwires for primary connections.

Electrical Ratings -Secondary Voltage: 26.5 V.O.C. Frequency: 50/60 Hz NEMA Ratings: NEMA type ETemperature Ratings: - 20 F to +105 F; -29 C to +41 C Dimensions: 2 15/16 in. deep, 2 7/32 in. wide; 74.6 mm deep, 65.4 mm wide

Part No	Electrical Ratings -Primary Voltage	Primary Electrical Connections	Secondary Electrical Connections	Mounting	Electrical Ratings -Output	Price
AT87A1106	120 V 208 V 240 V	13 in. leads. 330 mm leads	(2) screw terminals	Foot-mounted or 4 in. x 4 in. plate	24 V at 50 VA	\$58
AT87A1155	480 V	12 in. lead wires 305 mm leads	12 in. leads 305 mm lead wires	Foot-mounted	24 V at 48 VA	\$85

WELL ASSEMBLIES



Allows heat transfer, while protecting sensing bulb from controlled medium and seals off tapping to permit bulb removal without draining the boiler.

- Immersion wells and compression fittings are available to fit a 1/2-14 NPT tapping with a range of insulation depths.
- Immersion wells and compression fittings are available in a variety of lengths and diameters.
- Immersion wells and compression fittings are available in a variety of materials, to suit the application. Materials include brass, copper, stainless steel, mild steel or Monel.

Part No	Description	Copper Bulb size	Well size	Insertion	Insulation	Price
123870A	Well Assembly					\$50
121371B	Includes mounting clamp.	3/8 in.x 3 in. (10 mm x 76 mm)	3 in. (76 mm)	1 1/2 in. (38 mm)	3/4 in. (19.1 mm) NPT	\$43
121371A	Includes mounting clamp.	3/8 in. x 3 in. (10 mm x 76 mm)	3 in. (76 mm)	1 1/2 in. (38 mm)	1/2 in (13mm) NPT.	\$40

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ZONE VALVE-LOW VOLTAGE

TWO-POSITION NORMALLY CLOSED ZONE VALVES



- Two-way ON-OFF low voltage valves consist of an actuator and valve assembly for controlling the flow of hot water.
- Manual opener (on all models, except straight-through, normally open valves) for valve operation on power failure; valve returns to automatic position when power is restored.
 - All models may be installed without disassembling the valve.
 - Compact construction for easy installation.
 - Complete powerhead may be removed or replaced without breaking water line connections or draining the system.
 - Actuator motor may be replaced without removing the valve body or draining the system.

Part No	Dimensions	Electrical Connections	Pipe Connections		Flow Capacity	Maximum Close-off Pressure	Price
			Size	Type			
V8043F1036	4 in. high, 4-7/8 in. wide, 2 3/8 in. deep. 101 mm high, 124 mm wide, 60 mm deep	Screw terminal	3/4 in.	Sweat	3.5 Cv; 3 Kv	20 psi; 138 kPa	\$170
V8043F1051	4 in. high, 4-7/8 in. wide, 2 3/8 in. deep. 101 mm high, 124 mm wide, 60 mm deep	Screw terminal	1 in.	Sweat	3.5 Cv; 3 Kv	20 psi; 138 kPa	\$200
V8043A1037	4 in. high, 3-11/16 in. wide, 2 3/8 in. deep. 101 mm high, 94 mm wide, 60 mm deep	18 in. leads 457 mm leads	3/4 in.	Sweat	3.5 Cv; 3 Kv	20 psi; 138 kPa	\$193
V8043A1029	4 in. high, 3-1/2 in. wide, 2 3/8 in. deep. 101 mm high, 90 mm wide, 60 mm deep	18 in. leads 457 mm leads	1/2 in.	Sweat	3.5 Cv; 3 Kv	20 psi; 138 kPa	\$155

ZONE VALVES-PARTS

ZONE VALVE MOTORS-PARTS

Part No	Description	Price
802360JA	Replacement Motor - 24 V, 50-60 Hz	\$58

ICM CONTROLS

3-PHASE MONITOR



- Low cost, single side 3-phase protection
- Bright LED indicators for fault and load energized
- Easy to install, no adjustments
- Wide operating range: 190-600 VAC
- Less than 1-second phase loss response
- Automatic reset from a fault condition
- Compact packaging: fits almost anywhere
- Rugged, epoxy-encapsulation for extreme conditions
- Works great with the ICM450 for load side monitoring of part winding start motors and multiple compressor systems

Part No	Description	Input		Output			Control	Price
		Voltage	Frequency	Type	Form	ODF Form		
ICM401	Three Phase Line Voltage Monitor	190-600 VAC	50/60 Hz	Relay	SPDT N.O.: 10 amps	6 amps	18-30 VAC	\$78

ENCLOSURE



- Rugged steel construction
- Easy to mount
- Helps to protect controls from harsh environmental conditions such as temperature, shock, humidity and vibration
- Ideal for use with ICM head pressure controls

Part No	Description	Price
ACC-0E-01	Weatherproof Enclosure for use with ICM325, ICM326, ICM327, ICM491	\$58

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ICM CONTROLS

DEFROST CONTROLS



The ICM301 integrates multiple time and temperature defrost functions onto a low cost, conformally coated, open board package.

- Sensor input for defrost terminate • Time and temperature terminate • 10 minute fixed defrost time • Pin-selectable: 30/60/90 min. defrost intervals • On-board test pins reduce test time by 256X • Hold input accumulates actual compressor run time regardless of disc thermostat condition prior to defrost

Description : Ultra low cost heat pump defrost timer

Part No	Description	Input			Type	Output			Price
		Voltage	Frequency	Power Consumption		Form	Rating	Defrost Time	
ICM301	Ultra low cost heat pump defrost timer	18-30 VAC	50/60 Hz	1 Watt Max.	Relay	SPST, Normally Open	1 amp	Fixed 10 min. \pm 5%	\$35



The ICM320 features stable pin post construction and conformal coating for greater reliability in harsh environments. Onboard test pins reduce test times by 256 times. The control is easy to mount, features a heavy duty relay output and integrates multiple time and temperature defrost functions onto a low cost, conformally coated open, board package.

Part No	Description	Input			Type	Output			Price
		Voltage	Frequency	Power Consumption		Form	Rating	Defrost Time	
ICM320	Low cost, High performance solid state defrost control	18 to 30 VAC	50/60 Hz	1 Watt Max.	Relay	DPST, N.O.	2 amp @24 VAC	Fixed 10 min. \pm 5%	\$98

DEFROST TIMER



- low cost
- Time and temperature controls with integral anti-short cycle timer • Outdoor fan and reversing valve relay integrated into design • Safety switch lockout function included

Description : Defrost timer with High power relay output

Part No	Description	Input			Type	Output			Price
		Voltage	Frequency	Power Consumption		Form	Rating	Defrost Time	
ICM 303	Defrost timer with High power relay output	18 to 30 VAC	50/60 Hz	1 Watt Max.	Relay	DPST, N.O.	1 amp @30 VAC	Fixed 10 min. \pm 5%	\$148



- Ultra low cost
- Pin-for-pin compatible with OEM Type 621 controls • Simple time and temperature control • Must have external relays for fan, reversing valve and auxiliary heat
- High installed base

Description : Ultra low cost heat pump defrost timer

Part No	Description	Input			Type	Output			Price
		Voltage	Frequency	Power Consumption		Form	Rating	Defrost Time	
ICM300	Ultra low cost heat pump defrost timer	18 to 30 VAC	50/60 Hz	1 watt max	Relay	SPST, N.O.	1 amp		\$35

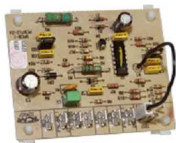
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ICM CONTROLS

DEFROST TIMER



• Ultra low cost • Simple time and temperature control • Integral anti-short cycle protection • High installed base

Part No	Description	Voltage	Input		Output Rating	Defrost Time	Interval Time Between Defrosts	Power on Reset Time	Price
			Frequency	Power Consumption					
ICM307	Ultra low cost heat pump defrost timer	18 to 30 VAC	50/60 Hz	1 Watt Max.	1 amp	Fixed 10 min. ± 5%	Pin-selectable 30/60/90 minutes	500 ms	\$38



• Low cost, high performance • Time and temperature control • Outdoor fan and reversing valve relay integrated into design • High installed base

Part No	Description	Voltage	Input		Type	Output		Defrost Time	Price
			Frequency	Power Consumption		Form	Rating		
ICM316	Defrost Timer with Solid State Reliability	18 to 30 VAC	50/60 Hz	1 Watt Max.	Relay	DPST, N.O.	1 amp @30 VAC	Fixed 10 min. ± 5%	\$120



• Ultra low cost • Direct replacement for Goodman B1226008 • Time and temperature control • Outdoor fan and reversing valve relay integrated into design • High installed base

Part No	Description	Voltage	Input		Type	Output		Defrost Time	Price
			Frequency	Power Consumption		Form	Rating		
ICM318	Ultra low cost heat pump defrost timer	18 to 30 VAC	50/60 Hz	1 Watt Max.	Relay	DPST, N.O.	1 amp @30 VAC	Fixed 10 min. ± 5%	\$65



• Ultra low cost • Pin-for-pin compatible with OEM controls • Time and temperature control with integral anti-short cycle timer • Outdoor fan and reversing valve relay integrated into design

Part No	Description	Voltage	Input		Type	Output		Defrost Time	Price
			Frequency	Power Consumption		Form	Rating		
ICM321	Ultra low cost heat pump defrost timer	18 to 30 VAC	50/60 Hz	1 Watt Max.	Relay	DPST, N.O.	1 amp @30 VAC	Fixed 10 min. ± 5%	\$98

FAN BLOWER CONTROL



• Designed to bypass a low pressure switch or other device during startup • Ideal for low ambient startups • Key component for "winter start" kits • Helps to reduce nuisance lockouts • Universal AC voltage operation • Knob-adjustable time delays

Part No	Description	Input		Output		Time Delays Adjustable ON	Price
		Voltage	Frequency	(Maximum)	(Minimum)		
ICM175	Low Pressure Switch Bypass Timer	18-240 VAC	50 to 60 Hz	1 Amp Maximum	40 mA	10-1,000 seconds	\$28

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ICM CONTROLS

HEAD PRESSURE CONTROLS



- Integral Heat Pump Bypass Circuitry - Allows you to electronically bypass the speed control during heat pump operation
 - Solid state 10 amp load carrying capability
 - Single unit controls up to 3 refrigerant circuits
 - Multiple Voltage Ranges
 - Hard Start - Adjustable from .1-5 seconds; provides full torque to the motor during startup to help ensure proper fan rotation and lubrication of bearings
 - Low Speed Cutoff - Field-adjustable; user may set the minimum RPM level at which the condenser fan should operate
 - High Temperature Bypass - Applies full voltage to the condenser fan under normal conditions
 - Rugged, Epoxy-Encapsulated Package - For greater reliability in harsh environmental conditions
 - Integral Transformer
- *(ICM326H/327H models) - Simplifies installation, reduces cost; direct setup from the line voltage.

Part No	Description	Input		Output		Line input	Price
		Voltage	Frequency	(Maximum)	(Minimum)		
ICM325H	Single Phase Head Pressure Control (120-480 VAC)	18 to 30 VAC	50/60 Hz	10 amps	100 mA	120-480 VAC	\$228



Part No	Description	Input		Output		Price
		Voltage	Frequency	(Maximum)	(Minimum)	
ICM326H	Single Phase Head Pressure Control (120,208/240 VAC)	120 or 208/240 VAC	50/60 Hz	10 amps	100 mA	\$235

HEAT/COOL DRYOUT THERMOSTAT & LOW AMBIENT CUTOFF SWITCH



Part No	Input Voltage	Output (Maximum)	Temperature Control Range	Price
SC065	18 to 30 VAC	2 Amp Maximum	65°F ±5	\$15
SC075	18 to 30 VAC	2 Amp Maximum	75°F ±5°	\$20
SC060	18 to 30 VAC	2 Amp Maximum	60°F ±5°	\$15

LOCKOUT PROTECTION RELAY



- Low cost lockout relay
 - Safety switch monitoring
 - Alarm output during lockout
 - Helps eliminate nuisance lockouts
- Replaces impedance relays 83 and 93

Part No	Description	Input		Relay	Relay Contacts	Input Power Consumption	Price
		Voltage	Frequency				
ICM220	Low Cost Lockout Relay	18 to 30 VAC	50 to 60 Hz	SPDT	2 Amps Maximum @ 30 VAC	2 Watts Maximum During Lockout	\$33

LOCKOUT TIMER



- Compressor lockout/anti-short cycle timer
- Helps to protect compressors from damage caused by rapid short cycling
- Simple, 2-wire hookup
- Adjustable timing
- Universal voltage

Part No	Description	Input Voltage	Output (Maximum)	Time Delays Adjustable ON	Price
ICM203	Delay on Break	18-240 VAC	1.5 amp	1.8-600 seconds	\$15

LOW VOLTAGE BROWNOUT PROTECTION



- Compressor lockout/anti-short cycle timer
- Brownout protection
- UL 873 recognition as compressor controller
- Helps prevent scroll compressor reversal
- Fixed or adjustable timing
- 18-30 VAC

Part No	Description	Input Voltage	Output (Maximum)	Time Delays Adjustable ON	Price
ICM206	Delay on Break timers	18-30 VAC	1.5 amp	3 or 5-minute	\$30

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ICM CONTROLS

WALL PLATES



Eliminate the wall effect. ICM insulated wall plates provide a fast, easy solution for hiding wall problems.

- Foam gasket prevents drafts through wall opening
- Rugged, flexible construction
- Hidden mounting screws (included) for a sleek appearance
- Wall plates designed to work with ICM's 1000, 2000 and 3000 series thermostats

Part No	Size	Price
ACC-WP01	4 27/32" x 5 15/16"	\$13
ACC-WP02	5 19/32" x 7 1/2"	\$15

POST PURGE FAN DELAY



- ON delay allows air to reach the proper comfort level prior to energizing the fan
- Controls the circulating fan in heat pump, A/C and forced air systems
- Low cost open board design
- High power, relay output
- Dual function fan delay timer
- OFF delay purges ducts of residual air

Part No	Description	Input		Output		Price
		Voltage	Frequency	NO	NC	
ICM255	Fan Blower Controls	18 to 30 VAC	50/60 Hz	20 amps @ 240 VAC	20 amps @ 240 VAC	\$25

POST PURGE TIMERS



- Dual function fan delay timer
- Controls the circulating fan in heat pump, A/C and forced air systems
- OFF delay controls fan relay to purge ducts of residual air at the end of the heating/cooling cycle
- ON delay allows air to reach the proper comfort level prior to energizing the fan

Part No	Description	Input		Output (Maximum)	Time Delays Adjustable		Price
		Voltage	Frequency		ON	OFF	
ICM254	Fan Blower Controls	18 to 30 VAC	50/60 Hz	1 Amp Maximum	1-180 seconds	12-390 seconds	\$48

PROBES



Part No	Description	Temperature Control Range	Price
ICM376	Probes For Use With ICM325K Head Pressure Control	50-80°F (10-27°C)	\$53



Part No	Description	Temperature Control Range	Price
ICM377	Probes For Use With ICM325K Head Pressure Control	70-100°F (21-38°C)	\$53



Part No	Description	Temperature Control Range	Price
ICM379	Probe For Use With ICM325H, ICM326H and ICM327H Head Pressure Controls With Optional Heat Pump Bypass Feature	70-100° F (21-38° C)	\$53

STARTUP DELAY TIMER



- Universal voltage operation
- Higher 1.5 amp power rating
- Knob-adjustable time delays
- Works with anticipator-type thermostats
- One model replaces many in field

Part No	Description	Input Voltage	Output (Maximum)	Time Delays Adjustable ON	Price
ICM102	Delay On Make Timers	18-240 VAC	1.5 amp	1.8-600 seconds	\$15

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ICM CONTROLS

THREE PHASE VOLTAGE MONITOR



• Bright LEDs Show Modes and Identity Faults - Load energized LED - Control voltage LED - Lockout LED - Front fault LED - Back fault LED - High voltage LED - Low voltage LED • Knob-adjustable Variables - User may easily select and adjust setpoints on unit: • Line voltage: 190 to 600 VAC • Voltage unbalance: 2 to 25% • Delay on break period: .1 to 5 minutes • Fault interrogation: 1 to 15 seconds • Low Cost, High Performance - Full line protection and fault identification without costly LCD readout • Integral Delay on Break Timer - Knob-adjustable from .1 to 5 minutes, helps prevent rapid system recycling • Easy to Install and Configure - Wiring diagram on unit - Installation and application guide included

Part No	Description	Input		Output NC	Line input	Voltage Unbalance Adjustable	Control	Delay On Break Timer	Price
		Voltage	Frequency						
ICM400	Three Phase Line Voltage Monitor	190-630 VAC	50/60 Hz	10 amps	6 amps	2-25%	18-240 VAC	1-5 minutes	\$238



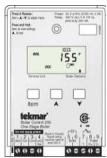
• Reliable, high temperature LCD display - Simplifies system setup and diagnostics. Indicates condition of incoming line voltage, fault conditions, system setpoints and other user adjustments. - Temperature: -20°C to +75°C (-4°F to + 167°F) • Simultaneous voltage display (an ICM exclusive) - View all 3 phases, no need to scroll through readouts. • Fully adjustable variables - User may easily set and adjust variables in SETUP mode: • Line voltage: 190 to 600 VAC • Voltage unbalance: 2 to 20% • Delay on break period: 0 to 10 minutes • Fault interrogation: 0 to 15 seconds • Over/under voltage: 2 to 25% • Reset modes: AUTO or 0 to 10 retries • Control mode: ON or OFF • 25-fault memory and storage - Clearly displayed on LCD • Ultra bright LED indicators - Shows current mode: • Setup LED • Load energized LED • Control voltage LED • Fault LED • Easy to install and configure - Simple 7-step push-button setup - Wiring diagram on unit - Installation and application guide included

Part No	Description	Input		Output		Voltage Unbalance Adjustable	Control	Delay On Break Timer	Price
		Voltage	Frequency	Type	Form				
ICM450	Three Phase Line Voltage Monitor	190-630 VAC	50/60 Hz	Relay	SPDT N.O.: 10 amps	2-25%	18-240 VAC	1-5 minutes	\$308

TEKMAR CONTROL SYSTEMS

BOILER DHW CONTROLS

ONE STAGE BOILER CONTROL



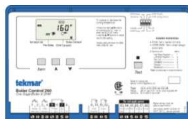
Control Description The Boiler Control 256 is a microprocessor-based control designed to regulate the supply water temperature from a single boiler based on the outdoor temperature. To avoid boiler short cycling and large temperature swings, the 256 is able to continuously adjust the boiler differential. The 256 includes control functions such as Warm Weather Shut Down (WWSD) and Minimum Boiler setting. The control has a liquid crystal display (LCD) that normally displays the Boiler Supply temperature, but can display other temperatures and settings.

Dimensions : 4-3/4" H x 2-7/8" W x 7/8" D (120 x 74 x 22 mm)

Approvals : CSA C US, meets ICES & FCC regulations for EMI/RFI

Part No	Packaged Weight	Control	Power Supply	Relay	Price
256	1.3 lb. (580 g), Enclosure C, white PVC plastic	Microprocessor PID control; This is not a safety (limit) control	24 V \pm 10% 50/60 Hz 3 VA	240 V (ac) 5 A 1/6 hp, pilot duty 240 VA	\$623

ONE STAGE BOILER CONTROL W/DHW



Control Description The Boiler Control 260 is a microprocessor-based control designed to regulate the supply water temperature from a single boiler based on either outdoor air temperature or a DHW demand. The 260 can control either a DHW pump or valve and provide DHW Priority. A tekmar indoor sensor can be connected to the 260 in order to provide indoor temperature feedback from the heating system.

Dimensions : 6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)

Approvals : CSA C US, meets ICES & FCC regulations for EMI/RFI

Part No	Packaged Weight	Control	Power Supply	Relay	Price
260	3.0 lb. (1340 g), Enclosure A, blue PVC plastic	Microprocessor PID control; This is not a safety (limit) control	120 V \pm 10% 50/60 Hz 1300 VA	240 V (ac) 10 A 1/3 hp, pilot duty 240 VA	\$1,023

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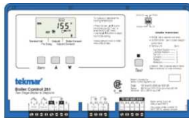
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TEKMAR CONTROL SYSTEMS

BOILER DHW CONTROLS

TWO STAGE BOILER CONTROL



Control Description The Boiler Control 261 is a microprocessor-based two stage boiler control designed to regulate the supply water temperature from a single two stage boiler or two single stage boilers based on either outdoor air temperature or a setpoint demand. The 261 can stage and rotate two single fire boilers or it can stage a single Lo/Hi fire boiler. The 261 also operates the system pump.

Dimensions : 6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)

Approvals : CSA C US, meets ICES & FCC regulations for EMI/RFI

Part No	Packaged Weight	Control	Power Supply	Relay	Price
261	3.0 lb. (1340 g), Enclosure A, blue PVC plastic	Microprocessor PID control; This is not a safety (limit) control	120 V ±10% 50/60 Hz 1300 VA	240 V (ac) 10 A 1/3 hp, pilot duty 240 VA	\$135

MODULATING BOILER CONTROL



Control Description The tekmar Boiler Control 263 can control the supply water temperature from a single modulating boiler or up to 2 on / off stages based on outdoor temperature, domestic hot water requirements, or setpoint requirements. A large easy to read display provides current system temperatures and operating status. The control has an internal setback timer, which can have 2 events per day on a 24 hour, 5-1-1 day or 7 day schedule.

Dimensions : 6-5/8" H x 7-9/16" W x 2-13/16" D (170 x 193 x 72 mm)

Approvals : CSA C US, meets ICES & FCC regulations for EMI/RFI

Part No	Packaged Weight	Control	Power Supply	Relay	Price
263	3.3 lb. (1500 g), Enclosure A, blue PVC plastic	Microprocessor PID control; This is not a safety (limit) control	115 V (ac) ±10% 50/60 Hz 600 VA	230 V (ac) 5 A, 1/3 hp, pilot duty 240 VA	\$1,553

SENSORS

TEKMAR OUTDOOR SENSOR (10K OHM)



Description The tekmar Outdoor Sensor 070 includes a 10 kΩ thermistor which provides an accurate measurement of the outdoor temperature. The 070 sensor is protected by a white U.V. resistant PVC plastic enclosure.

Dimensions : 4-1/2" H x 2-7/8" W x 1-1/2" D (73 x 114 x 38 mm)

Approvals : CSA C US, UL listed

Part No	Packaged Weight	Operating range	Sensor	Price
070	0.35 lb. (160 g), Enclosure E, white PVC plastic	-60 to 140°F (-50 to 60°C)	NTC thermistor, 10 kΩ @ 77°F(25°C ±0.2°C), β=3892	\$108

TEKMAR UNIVERSAL SENSOR (10K OHM)



Description The tekmar Universal Sensor 071 has a zinc sleeve for fast response and a wide operating range. These sensors can be used in a multitude of applications. The 071 is supplied with 10 inches (250mm) of two conductor wire.

Dimensions : 3/8" OD x 3/4" (9.5 OD x 19 mm)

Approvals : CSA C US, UL listed

Part No	Packaged Weight	Operating range	Sensor	Price
071	0.08 lb. (35 g), zinc sleeve, 10"(250 mm) 20 AWG XPE wire	-60 to 255°F (-50 to 125°C)	NTC thermistor, 10 kΩ @ 77°F(25°C ±0.2°C), β=3892	\$103

THERMOSTATS & CONTROLS

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CARBON MONOXIDE DETECTORS



The 6030 120V outlet plug-in is for single station use only. With an advanced new design, the 6030 carbon monoxide alarm has a unique alarm action guide that fits conveniently and discreetly behind the unit. For easy access, the card with illustrated emergency instructions simply slides out from behind the unit. In addition, the 6030/6080 has a rotatable plug for flexible outlet.

Part No	Description	Weight	Supply Voltage	Electrical Rating	Operating Temperature	Humidity range	Case Dimensions	Price
6030	120 VAC PLUG-IN CO ALARM	7 oz.	120 VAC	120 VAC, 60 Hz, 50mA max.	40°F to 100°F	15% to 95% relative humidity	5.1" x 3.3" x 1.7"	\$113

DIFFERENTIAL PRESSURE SWITCHES

2374 SERIES AIR SWITCHES



The 2374 Series Differential Pressure Switches are sensitive and reliable devices for remotely sensing the operation of fans and blowers associated with ducted ventilation systems. They can also be used for sensing static pressure drop across filters. Pressure differentials as small as .05" W.C. are sufficient to actuate the contacts which in turn, operate various devices including electronic air cleaners, remote status indicators, alarms and control circuits. The switches are field adjustable and are relatively insensitive to temperature change. They may be used to sense positive, negative or differential air pressure.

Part No	Part No	Maximum Pressure	Pressure Sampling Line Connections	Electrical Connections	Ambient Temperature Limit	Control Set Point Differential	Switch	Price
AFS-222	2374-410	.5 psig	1/4" O.D. rigid or semirigid tubing	screw terminals with cup washers	-40°F to 180°F	field adjustable $\pm .02$ W.C. with a slight increase at higher operating pressures	SPDT (N.C.)	\$80

*Replaces White-Rodgers 770-1, Cemco Ritt 3, Dayton 2E462, Johnson P32 series & Landis G4R 141-0518 & 141-0575 switches.

DOUBLE DUTY CLOCKS

7000 SERIES



Flexibility escalates with Paragon's 7000 Series, which features a 7-day calendar allowing different ON/OFF schedules on different days of the week. This series is most often found in applications involving HVAC, fans, motors, 3-phase loads, and indoor/outdoor lighting. A maximum of four ON/OFF operations per day and 28 per week are enabled by this reliable switch. The switch allows for a three-hour minimum and 21-hour maximum ON or OFF time daily.

Part No	Switch Type	Wiring† Diag	AC Line Volts	Enclosure		Type Of Mount	Dimensions		Price
				Material	Type		W	H	
7007-00	4PST-4 No	17	120	Metal (Indoor)	NEMA 1	Enclosure Mount	7-3/8"	11-3/8"	\$305

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PARAGON TIMERS

4000 SERIES NEMA 1 INDOOR METAL ENCLOSURE



Paragon's 4000 Series is the 24-hour time control to serve applications requiring 90 minute minimum on or off time with a maximum of seven ON/OFF events per day. Available in NEMA 3R non-metallic enclosure, NEMA 3 metal enclosure or NEMA-1 steel enclosure, the series is designed to meet the needs of any application.

Part No	Switch Type	Wiring† Diag	Enclosure			Dimensions		Price
			AC Line Volts	Material	Type	Type Of Mount	W	
4001-00	SPST	24	120	Metal (Indoor)	NEMA 1	Enclosure Mount	4-1/8"	\$135

DUCT SMOKE DETECTORS

2650-600 SERIES



Firex® duct smoke detectors provide early detection of smoke and products of combustion present in air moving through an HVAC duct. These devices are designed for prevention of smoke recirculation in areas by the air handling systems. Fans, blowers, and complete systems may be shut down in the event of smoke detection. Our universal voltage models will operate on any one of four input voltages (230 VAC, 115 VAC, 24 VAC or 24 VDC). These units are available with either an ionization detector head or a photoelectric detector head. Each duct smoke detector contains two form "C" alarm contacts and one form "C" trouble contact. Duct smoke detector mounting is accomplished by using a mounting template and four sheet metalscrews. Sampling tubes are available in three separate lengths and must be ordered separately. All units are UL listed and mount easily to round or rectangular ducts. Units are reset by using the manual test/reset switch on the front of the detector or by using a remote reset station. UL 50 listed, NEMA 3R weatherproof enclosure which can be used in appropriate outdoor or indoor applications for protection from the elements.

Part No	Description	Operating voltage	Humidity	Air Duct Velocity	Dimensions	Weight	Price
2650-660	Duct Smoke Detector Ionization Model	115 VAC/230 VAC/24 VAC/24 VDC	10% to 85% Relative Humidity	500 to 3,000 feet per minute	9" H x 7" W x 2.25" D	4.0 lbs.	\$293
0532	Sampling Tube				24"	4.0 lbs.	\$18
0533	Sampling tube				60"	4.0 lbs.	\$30

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ETC COMMERCIAL TEMPERATURE CONTROLS



The Ranco ETC is a microprocessor-based family of temperature controls designed to provide on/off control for commercial heating, cooling, air conditioning and refrigeration applications. With its wide temperature range, one and two stage capability, selectable heating/cooling modes and multi-voltage input, the ETC is one of the most versatile temperature controls available.

DIGITAL DISPLAY

Unlike many electronic controls, the ETC is simple to install and set up. One finger is all you need to program it. The standard digital display and keypad allow the user to adjust the temperature settings with 1° resolution. Setpoint temperature, differential and mode of operation (heating or cooling) can all be selected using the keypad and display. When not in the programming mode, the display gives a constant readout of the sensor temperature. Annunciators on the liquid crystal display also indicate when the relay is energized.

CHOICE OF ONE OR TWO STAGE MODELS

The ETC line includes both one and two stage models. On two stage controls, each stage can be set independently thus eliminating the bothersome task of calculating interstage temperatures. And two stage models can be set up with overlapping heating or cooling stages.

REMOTE TEMPERATURE SENSING

The ETC is capable of remote temperature sensing up to 400 feet away from the control when using standard 22 gauge sensor wire.

BUILT-IN SAFETY

Every ETC model is equipped with diagnostic programs that check for hardware, software or system problems and display different error codes to indicate where the trouble is. The ETC also has a keypad lockout switch to prevent tampering with the control settings by unauthorized personnel. The switch, which is located inside the enclosure, can be used to disable the keypad function.

OPTIONAL ANALOG OUTPUT

ETC models are available with a 0 to 10 volt analog output that can be used for remote temperature indication or as input to a central monitoring system. This signal is a linear representation of the sensor temperature with 0 volt = -30°F and 10 volts = 220°F.

INPUT POWER REQUIREMENTS : 120 or 208/240 VAC (24 VAC optional)

Part No	Number Of Stages	Enclosure	Input Voltage	0 TO 10 Volt Output	Temperature Setpoint Range	Differential Range	Price
ETC-112000	One	NEMA 1	24 VAC	No	-30° to 220°F	1°F to 30°F	\$125
ETC-211000	Two	NEMA 1	120/208/240 VAC	No	-30° to 220°F	1°F to 30°F	\$223
ETC-111000	One	NEMA 1	120/208/240 VAC	No	-30° to 220°F	1°F to 30°F	\$133

GAS IGNITION CONTROLS

HOT SURFACE FURNACE IGNITORS



Robertshaw's 41-400 Series Norton Hot Surface Ignitors deliver dependable ignition in heating systems of every description. From furnaces and boilers to rooftop heaters, infrared burners, unit heaters, water heaters and many other types of HVAC equipment. The 41-400 Series Hot Surface Ignitors are made of high-purity recrystallized silicon carbide (Crystar™) which combines physical and thermal strength with stable electrical properties. The 41-400 Series are designed to reach ignition temperature(s) within 17 seconds. They have 18-gauge nickel chrome lead wires embedded and metalized in place for maximum holding strength and electrical conductivity. The lead wires are also enclosed with a special hightemperature fiberglass insulation providing total electrical protection.

Part No	Ceramic Block Style	Terminal Connector Type	Lead Wire Length	Price
41-401	A	A	4-1/2"	\$53
41-404	C	D	4-1/2"	\$53
41-407	C	B	4-1/2"	\$60
41-408	B	C	4-1/2"	\$55
41-410	B	B	4-1/2"	\$60
41-411	B	C	4-1/2"	\$58
41-412	F	D	5-1/4"	\$43

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GAS IGNITION CONTROLS

REPLACEMENT CONTROLS AND COMPONENTS

AUTOMATIC PILOT RELIGHT KITS



The Robertshaw 785 Series Automatic Pilot Relight Kits are designed for use on rooftop heating equipment, water heaters, boilers, space heaters, unit heaters, dryers, and other commercial, industrial, and residential appliances where the problem of pilot outage may occur. It should only be applied to those systems which already incorporate the necessary pilot-safety control system.

Part No	Description	Ambient Temperature	Electrical Rating	Spark Gap	Price
785-001	24/120V - includes ignitor assembly and mounting bracket.	-40°F to 185°F	24/117 VAC, .1 AMP	1/8" Maximum	\$95

UNIVERSAL IGNITION CONTROLS

(NONLOCKOUT)



FEATURES :

- Replaces one rod and/or two rod systems.
- Reduces truck stock inventory, saving space and money.
- Includes vent damper adaptor assembly.
- Easy-to-install with complete in-depth installation instructions.

Part No	Humidity	Input Voltage	Transformer	Spark Rate	Relay Contact Ratings				Price
					Pilot Valve	Main Valve	Combined Load	Flame Sense Current	
780-001	95% noncondensing at 104°F	24 VAC to 50/60 Hz	24 VAC / 20 VA	3 to 4 Sparks Per Second	1 amp at .5 PF	1 amp at .5 PF	1.5 at .4 PF	.7 μA DC @ 25°C / 24 VAC	\$220

GAS VALVES

PILOT IGNITION GAS VALVES

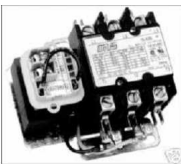
UNIVERSAL MODELS – INTERMITTENT PILOT, DIRECT SPARK AND HOT SURFACE



Part No	Maximum Inlet Pressure	Ambient Temperature	Electrical Rating	Power Consumption	NEC	Pilot Outlet	Terminal Connections	Price
720-079	14" W.C.(1/2 PSI)	-40 to 175°F max.	24VAC 50/60 Hz .45 amp.	5 watts	class 2	1/4" tubing	1/4" and 3/16" quick-connection	\$175
720-402	14" W.C.(1/2 PSI)	-40 to 175°F max.	24VAC 50/60 Hz .45 amp.	5 watts	class 2	1/4" tubing	1/4" and 3/16" quick-connection	\$128
720-406	14" W.C.(1/2 PSI)	-40 to 175°F max.	24VAC 50/60 Hz .45 amp.	5 watts	class 2	1/4" tubing	1/4" and 3/16" quick-connection	\$140

PRESSURE CONTROLS

LOW PRESSURE



Part No	Part No	Pressure Setting (Psi) - Co	Pressure Setting (Psi) - Ci	Switch Action	Pressure Port Style	Terminal Connections	Price
MG20-1026	3100-001	15	40	SPST/NO	3 *	30" LEADS	\$65

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PRESSURE CONTROLS

O-10 SERIES SINGLE FUNCTION HIGH PRESSURE CONTROLS



These controls offer a variety of pressure ranges and switch action to provide maximum application flexibility.

FEATURES :

- NEMA 1 enclosure with non-conductive cover • Front-located captive cover screw • Large, easy-to-read scale plate • SUPER CAP® capillary protection system • Universal mounting and compact design • Universal mounting and compact design • Screw terminals are raised and fully accessible for easy wiring • Laser-welded bellows for extended life • Heavy-duty plated steel frame • Suitable for R12, R22, and R502 applications

Part No	Switch Type	Range Psi	Differential Psi	Pressure Connection	Replaces	Price
O10-2054	Spst opens Low	100 TO 400	40 TO 150	1/4" SAE flare nut.	JOHNSON: P70AA-144, P70AA-143, P70AC-1, P70AC-8, P70AA-158, 2P6 P70AA-91, P70AA-68, P70AA-78	\$138

O-10 SERIES SINGLE FUNCTION LOW PRESSURE CONTROLS



These controls offer a variety of pressure ranges and switch action to provide maximum application flexibility.

FEATURES :

- NEMA 1 enclosure with non-conductive cover • Front-located captive cover screw • Large, easy-to-read scale plate • SUPER CAP® capillary protection system • Universal mounting and compact design • Screw terminals are raised and fully accessible for easy wiring • Laser-welded bellows for extended life • Heavy-duty plated steel frame

Part No	Switch Type	Range Psi	Differential Psi	Pressure Connection	Replaces	Price
O10-1483	Spst opens Low	10 TO 100	10 TO 40	1/4" SAE flare nut.	JOHNSON: P70AA-25 4P5 P70AB-2, P70AA-114, P70AA-130, 2P7 1260P3, P70AB16, P70AB-21 2P1	\$135
O10-1402	Spst opens Low	12 TO 50	5 TO 35	1/4" SAE flare nut.	HONEYWELL: P420B, JOHNSON: 970AB-29, P70AA-123, P70AC-9, P70AB-12, P70AB-40, P70AA-47, P70AB-44	\$148

O-16 SERIES SINGLE FUNCTION HIGH PRESSURE CONTROLS



These controls offer a variety of pressure ranges and switch action to provide maximum application flexibility.

FEATURES :

- NEMA 1 enclosure with non-conductive cover • Front-located captive cover screw • Large, easy-to-read scale plate • SUPER CAP® capillary protection system • Universal mounting and compact design • Screw terminals are raised and fully accessible for easy wiring • Laser-welded bellows for extended life • Heavy-duty plated steel frame • Suitable for R12, R22, and R502 applications

Part No	Switch Type	Range Psi	Differential Psi	Pressure Connection	Replaces	Price
O16-108	SPDT	100 TO 400	40 TO 150	1/4" SAE flare nut.	JOHNSON: P70CA-17, P70CA-46, P70CA-50, P70CA-76, P70CA-77, P70EA-6	\$143

REVERSING VALVES

SOLENOID COILS



Uni-Line offers Type L30 solenoid coils for use with the V1/V2/V3/V6/V10 Ranco heat pump reversing valves. These color coded epoxy encapsulated, continuous duty, moisture resistant magnetic coils are designed to operate the pilot valve controlling the reversing valves listed above. Included with the solenoid coil is a W29 wiring harness with 48" leads.

Part No	Input Voltage	Color Code	Watts 50 Hz	Watts 60 Hz	Price
L30-0024	24 VAC	RED	6	4	\$63

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SERVICE PRODUCTS

SEALING CORD



Part No	Description	Size	Price
17-401	Great for A/C installations and air ducts.	3/8" x 25'	\$25

SLIMLINE THERMOSTAT WALL PLATE

Robertshaw TAP-1 SlimLine Thermostat Wall Plate. Wall Plate for Robertshaw Thermostat SlimLine Series (300-#)
Avoid painting or wallpapering touch-ups when installing a new thermostat with a smaller footprint than the original. These handy wallplates match the color of the thermostat providing an easy, attractive solution that will save you time.

Part No	Description	Price
TAP-1	Thermostat SlimLine Series	\$23

THERMOCOUPLES & PILOTS

THERMOPILES



The 1950 and 1951 Thermopiles (pilot generators) are designed for use on self-powered gas control systems. They can be Used to replace all Robertshaw and similar competitive devices. Models are available for two lead or coaxial type connection. All models include mounting nuts.

Part No	Factory Part No	Connection Type	Length	Price
1950-002	1970-048	Two Lead	36"	\$63

SNAP-FIT THERMOCOUPLES



The 1980 Series Snap-Fit Thermocouples offer easy installation into the majority of pilot burners. Both slim and standard thermocouple types are available in the 1980 Series without complicated adaptors, but with the extra insulation from high ambient temperatures that the brass sheath offers when needed. The 1980 is constructed of the same materials as used in the 1970. See copy above.

Part No	Length	Price
1980-018	18"	\$10
1980-024	24"	\$10
1980-030	30"	\$10
1980-036	36"	\$10
1980-048	48"	\$15

UNIVERSAL HOT SURFACE IGNITOR



Part No	Description	Price
IG1000	Hot Surface Igniter	\$53

THERMOSTATS & CONTROLS

TOOLS

ADVANCED TEST PRODUCTS

VALVE CORE REMOVER/INSTALLER



- 1/4" Valve core remover/installer with 6 valve cores

Part No	Brand	Size	Price
40536	Robinair	1/4"	\$25

RECOVERY TANK WITH 80% CAPACITY SENSOR



Part No	Brand	Price
RGT30	Promax	\$468

4 CFM VACUUM PUMP



Robinair Vacuum Pumps are engineered specifically to meet your A/C maintenance needs and to give you trouble-free operation. Take advantage of our years of experience and know-how developing pumps to help you do your job faster and better. NO HASSLE WARRANTY - All Robinair Vacuum Pumps are backed by our exclusive "No Hassle" over-the-counter replacement warranty. You can return a pump to your Robinair distributor, within the first year, for an immediate exchange - with no hassle! (See product for details) Designed for use on A/C-R systems using CFCs, HCFCs, and HFCs in conjunction with mineral oil, ester oil, alkylbenzene oil and PAG oil as lubricants. Do not use with ammonia or lithium bromide systems; not for use with flammable refrigerants.

- Two Stage Design - second stage starts pumping at a lower pressure to pull a deeper ultimate vacuum
- Offset Rotary Vanes - Our proven design creates the deep vacuum conditions needed for a thorough evacuation
- Gas Ballast feature - helps keep the pump oil clean by reducing condensation of moisture
- Iso-Valve™ - isolates pump from the system with just a 1/4 turn, making it simple to measure rate of rise
- Integral Check Valve - prevents pump oil from being sucked into the system if a power loss occurs
- Die-Cast Aluminum housing - lightweight but durable
- Molded Base - Durable polycarbonate base improves pump balance and minimizes vibration

Part No	Brand	Free Air Displacement	Number of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Weight	Price
15400	Robinair	4 CFM	2	1/4" MFL and 1/2" MFL Tee	15 oz. (445 ml)	1/3 HP	115V 60 Hz	27 lbs (12 kg)	\$868

6 CFM VACUUM PUMP



- Comfortable grip handle for long term inspections • Convenient on/off light switch • Easily adjustable eyepiece • Available in 18", 24", 36", 48" 72" and 96" lengths plus thin versions (1/4 in. diam.) • Lengths up to 40 feet are available by custom order • Spring-lock shaft, really stays put • Superior optics • 25-hour battery life • Bright, white lighting (high/low beam) • LED light source never needs replacement

Part No	Brand	Free Air Displacement	Number of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Weight	Price
15600	Robinair	6 CFM	2	1/4" MFL and 1/2" MFL Tee 1/4" MFL and 1/2" MFL Tee	15 oz. (445 ml)	1/2 HP	115V 60 Hz	27 lbs (12 kg)	\$980

PREMIUM HIGH VACUUM PUMP OIL, GALLON BOTTLE (CASE OF 4 BOTTLES)



- Premium High Vacuum Pump Oil, Gallon Bottle (case of 4 bottles)
- Chemically engineered to maintain maximum viscosity at high running temperatures and to improve cold weather starts
- Thermal stability - resists break-down due to heat
- Lower moisture content - due to special packaging and handling procedures

Part No	Brand	Quantity per case	Price
13204	Robinair	4 bottles	\$43

TOOLS

ADVANCED TEST PRODUCTS

HIGH PRESSURE RECOVERY TANK WITH 80% CAPACITY SENSOR (USE WITH R-410A)



Part No	Brand	Pressure	Price
RGT50HP	Promax	50Lb	\$638

A/C RATCHET WRENCHES



- Reversible, four SQUARE openings, 1/4" and 3/16" on one end, 3/8" and 5/16" on the other

Part No	Brand	Description	Price
10696	Robinair	1/4" and 3/16" on one end, 3/8" and 5/16" on the other	\$28

ALUMINUM BLOCK CFC/HCFC GAUGE SETS



- Zero Adjustable Gauges • Extruded Aluminum Manifold Block • 63 mm Glycerine filled gauges • 4 Way Manifold design • 72" Black Evacuation Hose (1/4" FFL)

Part No	Brand	Size	Price
TIF9600	TIF	72"	\$715

ANALOG MEGOHMMETER – INSULATION TESTER



- Tests insulation of wires, cables, transformers and electrical motors • Battery powered • Helps cut unscheduled downtime and reduce shock hazards • Insulation resistance with 500VDC test voltage: 0-1000M

Part No	Brand	Voltage	Price
AMB-3	Amprobe	0-1000MΩ	\$194

CARBON MONOXIDE ANALYZER



- Tactile keypad controls • Protective Rubber "Boot" • 15" Stainless Probe, with 5' hose • Cordless and portable • Field replaceable electrochemical sensor • Carbon Monoxide (CO) in any environment • Voice feature for audible read out

Part No	Brand	Size	Price
TIF8500A	TIF	15"	\$1,073

COMBUSTIBLE GAS DETECTOR



- Ultimate sensitivity 5 - 50ppm • Instantaneous response • Used in almost any situation where combustible gasses, vapor or residues need to be found • LED Leak Sensitivity Lights

Part No	Brand	Price
TIF8800A	TIF	\$465

TOOLS

ADVANCED TEST PRODUCTS

COOLANT REFRACTOMETER



- This model can be used for measuring the freezing point of either propylene or ethylene glycol based cooling systems.
- It can also be used for checking the strength of electrolyte solution batteries.
- This precision instrument features high-quality optics with ultra smooth focusing.
- Scale range: 32° F to -60° F

Part No	Brand	Price
75240	Robinair	\$123

CORDLESS RECHARGEABLE



- Cordless: Allows freedom of movement and ability to work anywhere anytime without
- Rechargeable: A one-hour recharge time provides up to 8 hours of continuous operation.
- 30 LED: 30 Super-bright, long-life LEDs provide forward directed pure white light.
- Durable: Polycarbonate tube protects the entire light.
- Ergonomic: Textured and flared rubber handle provides a non-slip grip.
- Compact Size: Slim design (1-7/8") diameter allows access into tight areas.

Part No	Brand	Quantity	Price
16440	Robinair	30-LED Light	\$230

DIGITAL CLAMP - ON MULTIMETER



- TRMS Measurement (ACD-10 TRMS Pro only) • AC and DC Voltage to 600V • AC Current to 400A • Resistance to 40MΩ with Continuity Buzzer • Capacitance to 3000μF • Hold and Maximum reading functions • Accommodates conductors up to 1.02" (26mm) in diameter • Auto Ranging • Auto power off and low battery indication • Rubber over-molded case

Part No	Brand	Description	Price
ACD10TRMS	Amprobe	Amprobe ACD-10 TRMS Digital Pro Clamp-on Multimeter with TRMS	\$168

Included Accessories

- Test leads (pair)
- Battery installed
- Users Manual
- Soft Carrying Pouch

DIGITAL MICRON GAUGE



- Patented sensor technology - requires no calibration for fluctuating ambient and/or sensor housing temperatures • Not affected by the specific gas being evacuated • Liquid Crystal Display (LCD) - Reads 500,000 to 200 microns • Dual power supply - 9V battery or A/C adapter (not included)

Part No	Brand	Price
TIF9450D	TIF	\$563

DIGITAL SLING PSYCHROMETER



- Perfect for checking ambient air conditions in an HVAC environment • Temperature readings • Relative Humidity measurement • Dew Point and Wet Bulb readings • MAX/MIN with Time Stamp • Selectable °C and °F readout • Data Hold Function (99 readings from LCD display) • Dual LCD Display with Bargraph indication • Auto Power Off

Part No	Brand	Price
THWD-2	Amprobe	\$200

ELECTRONIC SIGHTGLASS



- Optimizes refrigerant charge for maximum cooling • Operates on any metal tubing • Four foot cord • Operates through use of ultrasonics

Part No	Brand	Price
TIF4000A	TIF	\$598

TOOLS

TOOLS

ADVANCED TEST PRODUCTS

FILTER CONVERSION KIT



- Replaces Obsolete Swivel Fitting (p/n MF1275) used on earlier Promax units
- Allows use of standard Male/Male Filter
- Includes 4" hose, Male/Male Filter, and adapter

Part No	Brand	Price
FLCK-1	Promax	\$53

FILTER, MALE/ FEMALE

Part No	Description	Price
FL1201	Replacement Filter Drier	\$40

FOUR WAY BRASS MANIFOLD



- Diagnose, evacuate and charge an A/C system without switching hoses, making service work faster and more convenient
- Gauges show R-22 and 134a temperature scales
- Pressure/Temperature Chart included for other refrigerants, conveniently mounted on the rear of the holster
- Protective Holster - Flexible cover provides protection during use and storage, holds P/T chart
- Double "Y" Design Bar - with a 3/8" bore, 1/4" MFL charging fittings and a 3/8" MFL vacuum port fitting. The 3/8" port allows for the use of a larger evacuation hose, cutting evacuation time by up to 40% (If you prefer all 1/4" FFL hoses, a 3/8" FFL to 1/4" MFL intake adapter is available, Part No. 13064).
- Also available with High Pressure Gauges
- Four-Way Manifold Set - includes Model 41400 with three 60" color coded (1/4" FFL) Enviro-Guard™ hoses and one 60" yellow 3/8" FFL) Enviro-Guard™ hose for faster evacuation

Part No	Brand	Size	Price
41460	Robinair	60"	\$520

GAS MANIFOLD PRESSURE TEST KITS



Dust Fighter® 95

The Dust Fighter 95 electrostatic air filter has set the benchmark of quality that all filters strive to meet. Typical fiberglass throwaway filters can trap only 5% of pollutants. And ordinary electrostatic air filters sold through media and discount outlets trap only 80%. The Dust Fighter 95 is the most effective tool for eliminating 95% of common household pollutants which can harm you, your family, and your heating and cooling system

FEATURES

- Lifetime Warranty
- 90 Day Money Back Guarantee
- Anti-Microbial Media Core
- Five Layers of Filtration Media
- Durable Aluminum Frame
- Pull Tabs
- Drain Holes
- 40 Standard Sizes (1" and 2" frames)
- Custom Sizes Available

Part No	Brand	Size	Price
42160	Robinair	0 – 35"	\$113

GASKETS FOR HOSES & ADAPTERS,



- 3/8" Gaskets for Hoses & Adapters, pkg/6

Part No	Brand	Size	Quantity	Price
40083	Robinair	1/4"	pkg/6	\$10
40084	Robinair	3/8"	pkg/6	\$10

TOOLS

ADVANCED TEST PRODUCTS

GLYCERIN FILLED ZERO-ADJUSTABLE LOW SIDE COMPOUND GAUGE



- 63mm, Glycerin Filled Zero-Adjustable Low Side Compound Gauge, PSI readings, R12, R22, R502 temperature readings in degrees Fahrenheit

Part No	Brand	Size	Price
9622B	Robinair	63mm,	\$85

HALOGEN HAWK, MULTI-REF L/D



- Detects all Halogenated refrigerants • Sensing Tip Life: approx. 20 hours (two tips included) • Operating Temp: 30° to 125° F (0° to 52° C) • Blow Molded Carrying Case included, optional holster • Variable frequency audible alarm • 14" Flexible stainless steel probe with Teflon™ liner • Power Supply: 3VDC, 2 C cell alkaline batteries (included) • 14" flexible stainless steel probe with Teflon liner

Part No	Brand	Price
TIFXP1	TIF	\$683

HEATED PENTODE REFRIGERANT LEAK DETECTOR



- Patent pending Heated Pentode™ Sensor technology: Refrigerant specific detection, Elimination of false alarms, Unaffected by rapid temperature change, Sensor can not be "poisoned" by excessive refrigerant • Detects ALL Halogenated refrigerants, including R-410A • True Mechanical Pump provides instant response and clearing • Tri-color visual leak size indication • Tactile keypad controls

Part No	Brand	Price
ZX-1	TIF	\$753

REPLACEMENT PARTS



- Patent pending Heated Pentode™ Sensor technology: • Refrigerant specific detection • Elimination of false alarms • Unaffected by rapid temperature change • Sensor cannot be "poisoned" by excessive refrigerant • Detects ALL Halogenated refrigerants, including R410A • Adjustable sensitivity & one touch reset • Mute feature silences audible alarm • Sensor status indication • Battery self test • 16" Flexible Stainless Probe • Ballistic Nylon Carrying Case and Battery Charger included

Part No	Description	Price
TIFZX-11	Charger for ZX-1	\$65
TIFZX-12	Hard carry case for ZX-1	\$120
TIFZX-14	Maintenance kit: Filter, Probe tip & O-ring	\$18

HEATER BLANKET



- Speeds charging by raising temperature, thus creating a positive pressure difference between tank and A/C system • Fits 30 and 50 pound refrigerant tanks • Includes Thermostat - set at 125° F (55° C) • Safety thermal cut-off switch protects against overheating

Part No	Brand	Thermostat	Price
10994	Robinair	125° F (55° C)	\$438

HIGH PRESSURE BRASS MANIFOLD SET



- Designed for today's High Pressure Refrigerants
- High Pressure Manifold Set - include 41671 with three 60" color coded (1/4" FFL) Enviro-Guard™ Hoses with in-line ball valve fittings

Part No	Brand	Size	Price
41670	Robinair	60"	\$270

ADVANCED TEST PRODUCTS

HIGH SIDE, HIGH PRESSURE (R-410A) REPLACEMENT GAUGE



Part No	Brand	Price
41676	Robinair	\$45

HIGH SIDE, UNIVERSAL REPLACEMENT GAUGE



- High Side, universal Replacement Gauge, PSI/KPA pressure readings, R-22 and R-134a temperature readings in degrees Fahrenheit

Part No	Brand	Price
11795	Robinair	\$35

INJECTOR GUN



- Replacement Injector Gun
- For use with 16330 .

Part No	Brand	Price
16339	Robinair	\$85

LEAK DETECTOR KIT



- Has same features as ULD-300 • Useful in finding the ends of buried PVC pipes • Tests the “air-tightness” of weather seals, tanks, ovens, refrigerators, etc. • Locating leaks in duct work

Part No	Brand	Price
ULD-300	Amprobe	\$506

LEAK DETECTOR, RX SERIES



- Detects all Halogenated refrigerants • Sensing Tip Life: approx. 20 hours (two tips included) • Operating Temp: 30° to 125° F (0° to 52° C) • Blow Molded Carrying Case included, optional holster • Variable frequency audible alarm • 14" Flexible stainless steel probe with Teflon™ liner • Constant Power Indication • Power Supply: 3VDC, 2 C cell alkaline batteries (included)

Part No	Brand	Price
TIFRX1	TIF	\$565

LOW SIDE, UNIVERSAL COMPOUND REPLACEMENT GAUGE



- Low Side, universal compound Replacement Gauge, psi/kPa pressure readings, R-22 and R-134a temperature readings in degrees Fahrenheit

Part No	Brand	Price
11794	Robinair	\$38

TOOLS

ADVANCED TEST PRODUCTS

MODEL 69060A



- 1/4" FFL Enviro-Guard™ High Pressure (R-410A) Hoses with Quick Seal™ fittings
- 740 psi working pressure/3700 psi burst pressure
- Set (Yellow, Blue, Red) 60 inches

Part No	Brand	Description	Price
69060A	Robinair	SET OF 3- 60" ENVIRO-GUARD« HO	\$165

MODEL TIF9632R



- 63mm, Glycerin Filled Zero-Adjustable High Side Gauge, PSI readings, R12, R22,R502 temperature readings in degrees Fahrenheit

Part No	Brand	Description	Size	Price
9632R	Robinair	63mm, Glycerin Filled Zero-Adjustable High Side Gauge	63mm	\$85

MULTIMETER DIGITAL



- Designed for HVAC Applications • Test Flame Arrestor circuits • Continuity buzzer • Diode test • Protective holster • Durable and dependable

Part No	Brand	Price
AM-59	Amprobe	\$338

NIMH BATTERY PACK



Part No	Brand	Price
TIFZX-7	TIF	\$238

NON-CONTACT VOLT PROBE W/SHAKER, BUZZER



- Detect AC Voltage (100 - 600V) • Use non-contact method of Voltage testing • Totally insulated, no exposed metal or conductive parts • Find and pinpoint breaks in wires • Voltage Buzzer and Voltage Shaker

Part No	Brand	Price
VP-600SB	Amprobe	\$28

QUICK SEAL ADAPTERS



Quick Seal™ fitting automatically shuts off the charging hose when you disconnect it from the system, so any refrigerant left in the hose is not released. This also prevents “finger burn” and adds an extra measure of safety. Made of solid brass.

Part No	Brand	Description	Price
10250	Robinair	1/4" MFL to 1/4" FFL, 90° Elbow	\$38
10292	Robinair	1/4" MFL to 1/4" FFL	\$38

QUICK SEAL O-RINGS SET



- 1/4" Quick Seal O-Rings Set, pkg/6

Part No	Brand	Size	Quantity	Price
18180	Robinair	1/4"	pkg/6	\$13

TOOLS

ADVANCED TEST PRODUCTS

QUICK SEAL™ REPAIR KITS

- Quick Seal™ Repair Kits 1/4" Quick Seal Repair Kit - for hoses and adapters

Part No	Brand	Size	Price
40300	Robinair	1/4"	\$35

RATCHETING TUBING CUTTER



- Designed for confined spaces
- Unique ratcheting action operates like a socket ratchet but cuts copper, aluminum, stainless steel, and PVC
- Spring-loaded adjusting screw applies continuous pressure while cutting.

Part No	Brand	Description	Size	Price
42090	Robinair	Ratcheting tubing cutter for 1/4" to 1-1/8" tubing	1/4" to 1-1/8"	\$98

RED ENVIRO-GUARD HOSE WIT



Part No	Brand	Size	Price
68360A	Robinair	60"	\$55

FFL CHARGING AND VACUUM HOSES – BLACK



Part No	Brand	Size	Price
67460	Robinair	60"	\$35

REFRIGERANT RECOVERY MACHINE

MODEL MINIMAX



- Minimum size - Maximum performance; ideal for residential and appliance service
- Recovers all commonly used CFC, HFC, HCFC Refrigerants (including Puron™ R-410A)
- Proprietary "Oil-less" compressor capable of handling both liquid and vapor
- Ergonomic design for easier handling
- Tough corrosion proof polyethylene blow molded case
- Field serviceable semi-hermetic compressor
- Self purge feature
- Includes Filter-Drier
- 550 psi safety cut off switch
- All units pre-wired to accept 80% Tank Shut Off Kit (Part No. KT 5001)
- Minimax-KT Model available with 80% Tank Shut Off Kit installed at the factory
- Power Source - 115 V 60 Hz
- Patent Pending
- Safety:** CE, UL/C (-KT version only) & TÜV approved

Part No	Brand	Weight	Size	Warranty	Price
MINIMAX	Promax	33.7 lb	19.00X9.75X12.00 inch	One year warranty with full over the counter exchange	\$1,530



- Recovers all commonly used CFC, HFC, HCFC Refrigerants (including R410-A [Puron™])
- Designed for use with High Pressure refrigerants
- Selectable High Pressure safety "cut off" switches (400 550 psi)
- Proprietary "Oil-less" compressor capable of handling both liquid and vapor

Part No	Brand	Price
RG5410A	Promax	\$1,978

REPLACEMENT DYE CARTRIDGES



- Complete HVAC/R Kit Includes: • Cordless UV light • Injector • 6 Dye Cartridges • Charger • UV Glasses • Connecting Hose (1/4" FFL) • Protective Carrying Case • Great for pinpointing those elusive "hard to find" leaks • Super Bright 12 LED array - Cordless, Rechargeable UV Light • Drop / Shock Proof Light - produces NO heat • Universal HVAC/R Dye Cartridges - Compatible with ALL Lubricants & Refrigerants • Compact Injector & Cartridge system - Pre-measured: No mess or waste

Part No	Brand	Size	Quantity	Price
16336	Robinair	1/4 oz.	6 Per Box	\$90
16337	Robinair	1/2 oz	6 Per Box	\$130
16338	Robinair	3/4	6 Per Box	\$165

TOOLS

ADVANCED TEST PRODUCTS

REPLACEMENT GAUGE LENS, QUARTER TURN ON-OFF

- Replacement Gauge Lens, quarter turn on-off

Part No	Brand	Price
11796	Robinair	\$20

REPLACEMENT GAUGES



- Low Side, High Pressure (R-410A) Replacement Gauge, vibration free, psi pressure readings, R10A temperature readings in degrees Fahrenheit

Part No	Brand	Price
13149	Robinair	\$50

REPLACEMENT SENSOR



Part No	Brand	Price
TIFZX-2	TIF	\$120

SCALE CLAMP-ON MULTIMETER

**Features:**

- Works in wide range of temperatures • Does not need battery for measuring volts or amp • Easy to use rotary scale • Pointer lock • Recessed magnifying window • Drop Proof to 5ft • Limited Life Time Warranty

Part No	Brand	Price
RS-3 SUPER	Amprobe	\$202

SLIMLINE REFRIGERANT SCALE



- Touch Key controls • Three display modes - Lbs./oz.; Decimal Lbs. , Kilograms • Very High Resolution - 0.1 oz./0.005 Lbs./2 grams • Extreme Accuracy

Part No	Brand	Size	Price
ADS-100	Promax	0.2 oz	\$515
TIF9010A	Tif	0.1 oz.	\$400

STEM ASSY KIT FOR SIDEWHEEL MANIFOLDS



- Stem Assy. Kit for Sidewheel Manifolds, with Face Seal (1996 to current models)
- includes stem with O-rings, spring and screw (will not fit Sightglass Manifolds)

Part No	Brand	Price
41617	Robinair	\$13

TECH CLAMP - DIGITAL CLAMP-ON MULTIMETER



- Dual Display • Measures micro amps • Temperature (Type-K Thermocouple) • Capacitance to 3000μF

Part No	Brand	Price
ACD-14	Amprobe	\$194

TOOLS

ADVANCED TEST PRODUCTS

THERMISTOR VACUUM GAUGE



- Large analog meter - clearly marked for easy reading of micron levels
- Indicates actual vacuum level in the system
- Measures from 25,000 to 0 microns
- Two operation modes - select between the null method for greatest accuracy or direct meter reading for continuous monitoring of the evacuation process

Part No	Brand	Price
14010A	Robinair	\$1,293

TOOL CADDY



Part No	Brand	Price
TC2000	Amprobe	\$133

TWO WAY MANIFOLD



- Two-Way Side Wheel Manifold Set - includes Model 41600 with three 72" color coded (1/4") Enviro-Guard™ hoses with Quick Seal™ Fittings

Part No	Brand	Size	Price
41640	Robinair	72"	\$300

TWO-WAY STANDARD SIDE WHEEL MANIFOLD W/HOSES



- Our popular Side Wheel Manifold is easy to use and designed for accuracy
- Bar - Solid forged brass for long life; handwheels are durable, color-coded
- includes Model 40152 with three 36" color coded (1/4" FFL) standard hoses and standard fittings

Part No	Brand	Size	Price
40153	Robinair	36"	\$133

UV LEAK DETECTION, HVAC-R DYE KIT



- COMPLETE KIT, includes: Rechargeable Light, Charger, Injector, 6 Dye Cartridges, UV Glasses, Connecting Hose (1/4" FFL), Dye Cleaner and "Date Installed" Labels
- Super Bright 12 LED array - Cordless, Rechargeable UV Light

Part No	Brand	Description	Price
16339	Robinair	UV, Dye Kit, HVAC Master	\$85

5 CFM VACUUM PUMP



Laboratory tests show that Robinair vacuum pumps consistently outperform other major brands. Our Model 15600 reached a vacuum of 600 microns in 60 minutes, while the competitions' pumps took more than two hours to reach the same micron level. Not only are Robinair pumps lighter in weight, they use less oil, which means that your maintenance costs will be much lower over the life of the pump.

Part No	Brand	Free Air Displacement	Number of Stages	Intake Fitting	Oil Capacity	Motor Size	Voltage	Weight	Price
15500	Robinair	5 CFM	2	1/4" MFL, 3/8" MFL, 3/8" FFL X 1/2" ACME adptr.	7.5 oz. (220ml)	1/3 HP	115V 60Hz	28 lbs. (12.5 kg)	\$598

TOOLS

ADVANCED TEST PRODUCTS

VACUUM VALVE ASSEMBLIES



- 1/2" FFL Coupler x 1/4" MFL x 3/8" MFL
- Large internal porting for high CFM flow

Part No	Brand	Size	Price
13047A	Robinair	1/2"	\$175

VALVE CORE REMOVER/INSTALLER



Remove and install valve cores from a 1/4" male flare access fitting without the loss of refrigerant. Durable, solid brass tool has a ball valve that can be opened or closed in just a quarter-turn, rather than a stem-type valve. Designed with a stainless steel ball and brazed side fitting for durability and long life.

Part No	Brand	Price
18560	Robinair	\$108

VOLUME-AIRE™ AIR BALANCER



- Reads cubic feet per minute directly (Volume) • Reads feet per minute directly (Velocity) • Fits many size diffuser grills • No alternate power source needed

Part No	Brand	Price
TIFVA105	TIF	\$505

COOPER-ATKINS CORP

DIGITAL POCKET TEST

WATERPROOF PEN STYLE



- Waterproof • Min/Max/Temperature hold • Auto shut-off• °F/°C switchable • NSF Certified

Temperature								
Part No	Technology	Range	Accuracy	Size	Stem Length	Power	Weight	Price
DPP400W	Thermistor	-40° to 392°F / -40° to 200°C	±2°F / 1°C from 14° to 212°F / -10° to 100°C ±3°F / 1.5°C all other ranges	.25" / 12.7 mm LCD	2.75" / 69.9 mm	(1) 1.5V #A76	0.9 oz / 26 g	\$45

HUMIDITY / TEMPERATURE INSTRUMENTS

DIGITAL PSYCHROMETER



Digital Psychrometer, no more water, no more twirling, and no more charts! It gives fast, accurate measurement of wet bulb, dew point, temperature, and humidity.

- Displays: wet-bulb, dew point, temperature, and humidity • Min/Max memory • Data hold• Auto shut-off after 20 minutes of non-use • Switchable °F/°C

Temperature				Humidity		
Part No	Range	Accuracy	Ambient Temp Range	Range	Accuracy	Price
SRH122	-4° to 122°F, -20° to 50°C	±1.8°F°/1.0°C	-4° to 122°F max	0 to 100% RH	±3% from 10 to 90% RH ±4% below 10% and above 90% RH	\$185

TOOLS

COOPER-ATKINS CORP

HUMIDITY / TEMPERATURE INSTRUMENTS

SRH77A SERIES



Where temperature and relative humidity readings are important, Model SRH77A is the expert’s choice. Whether it be HVAC/R applications, storage management, computer room monitoring or troubleshooting, you will find this to be an accurate and fast service tool. The bright blue rugged carry case makes this tool easy to find when on location or in the back of a service truck. SRH77A includes:

- Model 1075 General Purpose Puncture Probe
- Model 4011 Pipe Strap Probe
- Model 5028 Humidity Probe

SRH77AC includes all the above probes and is °C prominent.

Features include a backlight display for dark environments, sealed keypad which protects the instrument from spills and dust, and a battery eliminator jack.

- 3-zone • Min/Max memory • Scan mode • Auto shut-off after 15 minutes of non-use or continuous ON mode • Temperature differential between zones 1 and 2 • %RH and wet bulb • Switchable °F/°C

Part No	Temperature			Humidity		Price
	Range	Accuracy	Ambient Temp Range	Range	Accuracy	
SRH77A	-40° to 300°F, -40° to 150°C	±.3°F/.2°C ±.5% Rdg or whichever is greater	0° to 130°F max	10 to 95% RH	±2% from 20 to 80% RH ±3% below 20% and above 80% RH	\$700

THERMISTOR PROBES

PIPE CLAMP PROBE



All Thermistor Probes are interchangeable with all Cooper-Atkins Thermistor Instruments.

Part No	Max					
	Temperature Range	Tip Temp	Cord Temp	Response Time	Cord Length	Price
4005	-20° to 300°F, -29° to 149°C	N/A	200°F/93°C	12 seconds	10’ TPE uncoiled	\$225

THERMISTOR TEMPERATURE INSTRUMENTS

CORDLESS PIPE CLAMP



Cordless Pipe Clamp Temperature Instrument with 2.5" Retractable General Purpose Probe.

- Single-Handed Use • Spring-Loaded to Ensure Repeatability • Auto Shut-off after 5 Minutes of Non-use • Mode Button: Hold, Max & Min • Response Time - Puncture Probe: 20 Seconds in 32°F Bath (95% of final reading) • Response Time - Pipe Clamp Probe: 90 Seconds on 140°F Pipe (95% of final reading) • Includes Belt Pouch

Part No	Temperature			Ambient Temp Range	Price
	Range	Accuracy			
4005I	-20° to 300°F, -29° to 150°C	Clamp ±3°F/2°C from 14° to 212°F -10° to 100°C Probe ±3°F/2°C from -20° to 300°F, -29° to 150°C		0° to 120°F	\$243

SH44AC includes: (1) Model 1075 General Purpose Puncture Probe, (1) Model 4011 Pipe Strap Probe and is °C prominent.

- Dual zone • Min/Max memory • Scan mode • Auto shut-off



Part No	Temperature			Humidity		Price
	Range	Accuracy	Ambient Temp Range	Range	Accuracy	
SH44AC	-4° to 122°F, 20° to 50°C	±1.8°F°/1.0°C	-4° to 122°F max	0 to 100% RH	±3% from 10 to 90% RH ±4% below 10% and above 90% RH	\$410

TYPE K THERMOCOUPLE PROBES

PIPE CLAMP PROBE



Part No	Max					
	Temperature Range	Tip Temp	Cord Temp	Response Time	Cord Length	Price
4005MK	-20° to 300°F, -29° to 149°C	NA	200°F/93°C	2 Seconds	120” TEP straight cord	\$235

TOOLS

DC TOOL

ANGLER TOOL™



- 22.5° angle side.
 - 11.25° angle side.
 - 90° angle side.
- THE ANGLES MAKE ALL THE DIFFERENCE! 11.25°, 22.5°, 90° These 3 angles are specifically designed for HVAC installation! They are all you need to create any complex fitting
- Rulers on both exterior sides, eliminating the need for an additional ruler.
 - A duct board scale on the bottom of the tool, in increments of 47 inch duct sections. Four most commonly used scales; 3/16", 1/8", 1/4", 3/8".

Part No	Description	Price
Angler	Angler Ductboard Tool	\$122

TOOLS

MALCO PRODUCTS

HOLE PUNCHES



Work overhead to pre-punch rivet holes in suspended ceiling grips or use in any edge allocation for making hole <<http://malco.malcoproducts.com/products/hole-punches/more/hp18k-1.asp>> in window extrusions, metal ductwork or sheet stock. Compound leverage increases one hand mechanical advantage 8 to 1. Spring return handles allow quick setup for repetitive applications. Stop gauge permits adjustments from 1/4" to 1 1/8" increments. Punch and die are easily replaceable or changed from standard 1/8" hole size to 3/16". Punch and dies are constructed for high quality tool steel used in commercial high production punch press dies. Body of tool consists of lightweight aluminum die cast 'C' frame and rust resistant nickel plated steel handles and parts. Tool also features non-slip vinyl grips with hand stops for added comfort and resistance to elements. Compact enough to fit in any tool box or punch.

Part No	Punches in (mm)	Net Wt oz (g)	Capacity Sheet Metal	DEPTHS	Price
HP18K	1/8 (3.18) 3/16 (4.76)	16 (454)	Max. (2) layers 24 gauge	1/4" TO 1-1/8" (6 to 29 mm)	\$188

MAGNETIC TIP

TAPE MEASURE



At last, the obvious! Malco's new "MAGNETIC TIP" TAPE MEASURE is ideal for every ferrous metalworking project! Use it for HVAC ductwork installations, ceiling grid applications, metal stud framing and more. A powerful magnet and self-supporting 1" X 25' blade makes 1-person measurements and measuring elevations an easy task. The magnetic tip and big standout blade can even be used as a pick-up tool! A double riveted tip connection, abrasion-resistant, nylon coated blade and rubberclad housing and blade stop assure lasting performance.

Part No	Description	Net Wt oz (g)	Price
T425M	1" x 25' Magnetic Tip Tape Measure	14 oz.	\$40

SCRIBERS & DIVIDERS

DIVIDERS



Accurate and fast adjusting. Two sizes for circles up to 32" and 42".Points are easily sharpen or replaced. Nickel plated steel body.

Part No	Description	Length in (mm)	Net Wt oz (g)	Price
18	Maximum diameter circle 32 (813)	11 (279)	7 (199)	\$33

AWLS, SCRIBERS & DIVIDERS

ADJUSTABLE SHEET METAL SCRIBER

A60



Part No	Minimum & Maximum Adjustments inches (mm)	Net Wt oz (g)	Price
A60	Scribes 1/4" to 12 1/2" (6 to 318 mm.) depths	10 oz. (284)	\$33

DRILL BITS

STEP DRILLS



- Features --**
- Made of high speed steel
 - Resharpenable
 - Make a variety of hole sizes

Part No	Description	Depth Each Step	Elect Drill Size	Pilot Hole Req	Price
UB3	Drills 9 hole sizes from 1/4" to 3/4" diameter in 1/16" increments.	1/8"	3/8"	no	\$105

TOOLS

MALCO PRODUCTS

DRILL BITS

WOOD BIT KIT



Part No	Description	Price
WB6K	6 piece set: 3/8", 1/2", 5/8", 3/4", 7/8" and 1"	\$58

DRILL CLAMP

TURBOSHEAR



The Malco No. TSDC Drill Clamp fits most 1200 rpm or larger cordless or A/C drills to make cutting with the TurboShear Model TS1 a one-handed operation. Made of strong but lightweight aluminum, the rails of the TSDC Drill Clamp are easily attached to the TS1 and positioned and tightened over the body of a drill. Side-grips are also easily positioned on the rails so they do not cover drill vents. The TSDC Drill Clamp and TS1 TurboShear combination can be repositioned upside down as required for even greater maneuverability when cutting across a large expanse of material or through mild profiles.

Part No	Description	Net Wt oz (kg)	Price
TSDC	Drill Clamp for TS1	8 (0.22)	\$45

FIBERGLASS DUCTBOARD TOOLS

FASGROOV KNIVES

SHIPLAP KNIVES FOR 1-1/2-INCH BOARD



Safer to use with comfortable molded handles. Male and Female Shiplap Knives for 1-inch and 1-1/2-inch ductboard can be used on closed duct sections. Duct Knife features a rounded scoring edge to cut fiberglass without tearing skin. Plus, Malco's No. FG1 Hole Cutter and a special 1-1/2-inch blade No. KBHC are available separately for creating flex duct take-offs.

Part No	Description	Size	Color	Price
FGFL	Female Shiplap Knife (Red)	1-1/2"	Red	\$35
FGML	Male Shiplap Knife (Yellow)	1-1/2"	Yellow	\$35

SHIPLAP KNIVES FOR 1-INCH BOARD



Safer to use with comfortable molded handles. Male and Female Shiplap Knives for 1-inch and 1-1/2-inch ductboard can be used on closed duct sections. Duct Knife features a rounded scoring edge to cut fiberglass without tearing skin. Plus, Malco's No. FG1 Hole Cutter and a special 1-1/2-inch blade No. KBHC are available separately for creating flex duct take-offs.

Part No	Description	Size	Color	Price
FGF	Female Shiplap Knife (Green)	1"	(Green)	\$33
FGM	Male Shiplap Knife (Blue)	1"	(Blue)	\$33

HOLE CUTTER: FIBERGLASS DUCT



Safer to use with comfortable molded handles. Male and Female Shiplap Knives for 1-inch and 1-1/2-inch ductboard can be used on closed duct sections. Duct Knife features a rounded scoring edge to cut fiberglass without tearing skin. Plus, Malco's No. FG1 Hole Cutter and a special 1-1/2-inch blade No. KBHC are available separately for creating flex duct take-offs.

Part No	Net Wt oz (g)	Hole Diameter in (mm)	Price
FG1	7.5 (213)	4 to 20 (102 to 508)	\$85

1-1/2-INCH DUCTBOARD BLADE FOR FG1

Part No	Hole Diameter in (mm)	Price
KBHC	1-1/2" (38 mm) Blade for FG1 Hole Cutter	\$13

TOOLS

MALCO PRODUCTS

FIBERGLASS DUCTBOARD TOOLS

LEATHER KNIFE SHEATH



Part No	Description	Price
TP301	Sheath for DK1 Duct Knife.	\$20

FIBERGLASS FLEX DUCT TOOLS

FLEX DUCT TOOL



The versatile, new FDC3 Flex Duct Tool from Malco is actually three tools in one! The finely honed double-edged knife blade cleanly pierces through the outer skin, insulation and liner construction of flexible round duct and cuts in either direction. A thumb-operated latch opens the tool's compound-leverage handles and the jaws of a built-in wire cutter to easily sever the exposed wire coil of duct liner.

Use the tool's tie-tensioning mechanism to install a nylon tie strap and secure the flex duct to the take-off collar. With the handles of the FDC3 in the open position, a nylon tie can be threaded through the mechanism and then tightened by gently pumping the tool's handles. Use the wire cutter to trim excess tie strap tail <<http://malco.malcoproducts.com/products/fiberglass-flexduct/more/fdc3-action04.asp>>. Trimming and installing flexible round duct is now as easy as one-two-three with Malco's FDC3 multi-purpose Flex Duct Tool.

Part No	Length in (mm)	Net Wt oz (g)	Hole Diameter in (mm)	Price
FDC3	11 7/8 in. (302 mm.)	14 (397)	11 7/8 in. (302 mm.)	\$140

TENSIONING TOOL: MANUAL CUT-OFF



- Features --**
- Manual cut off lever
 - Vinyl Cushion Grips with hand stops

Part No	Description	Overall Length	Net Wt oz (g)	Price
TY4G	Manual Cut-Off Tie Tool /Gripped	6 (152)	11 (312)	\$83

HAND DRIVERS

DRIVER: 6 IN 1 REVERSIBLE



- Features:**
- 1/4" & 5/16 Hex opening nut driver with 3/16" & 9/32" Slotted Head bit and #1 & #2 Phillips Head bit.Shank firmly locks into handle barrel. Driver bits are individually protected with black oxide. Shank is chrome plated to protect against rust.

Part No	Description	Size	Price
RD6	Driver With 2 Replaceable Bits	1/4" x 5/16"	\$20

HEAVY-DUTY TURBOSHEAR "HD"

TURBOSHEAR HEAVY DUTY



- Capacities:**
- Heavy-duty jaws and gearing are suitable for cutting 18-GAUGE galvanized steel and most other common sheet metals. 20-gauge capacity in spiral duct and layered metal seams. The TurboShear HD even makes angled crosscuts through profiles of metal building panels and stone coated metal shingles.
- One-Hand Operation:**
- Clamping devise is standard with No. TSHD TurboShear.
 - Fits most 14.4-volt or larger A/C or cordless drills.
 - Cuts straight and to left.
 - Capable of navigating tight curved patterns and square cuts.
 - Blind cuts require a 1-inch starting hole.

Part No	Description	Net Wt oz (kg)	Repl Blade	Cap in		Price
				Galv Steel gauge (mm)	Spiral Duct gauge (mm)	
TSHD	TurboShear HD	3.94 (1.79)	TSHDRB	18 (1.32)	20 (1.02)	\$185

TOOLS

MALCO PRODUCTS

HEX KEYS

T HANDLE HEX KEYS



Part No	Description	Overall Length	Price
WT6S	6" long, eight 'T' handle hex keys (3/32-1/4").	6"	\$58



Part No	Description	Overall Length	Price
WT9S	9" long, eight 'T' handle hex keys (3/32-1/4").	9"	\$58

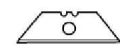
KNIVES & BLADES

CBAUK



Part No	Description	Price
CBAUK	Break-away utility Knife	\$8

UTILITY KNIVES SIDE BUTTON ACTION



Part No	Packeging	Price
CSB5	5 pack	\$5

METAL DUCT TOOLS & ACCESSORIES

DUCT STRETCHERS



Use the Duct Stretcher to hold duct in place with one hand while slipping drive cleat in place with other hand. Low profile, duct stretchers are designed to go anywhere, even in the tightest quarters. Additional spacing holes allow wheels to be adjusted to span greater distances. Rugged anodized aluminum body features large vinyl cushion grip and handy hang-up hole. Duct Stretchers are available in straight body model DS1 <<http://malco.malcoproducts.com/products/metal-duct/more/ds1-action01.asp>>, or offset model DS2 <<http://malco.malcoproducts.com/products/metal-duct/more/ds2-action01.asp>>.

Part No	Description	Length in (mm)	Net Wt oz (g)	Price
DS1	Duct Stretcher	16 in. (406 mm)	12 (340)	\$50

LOCKING DUCT STRETCHER



Locking duct stretcher pulls duct sections together and holds them in place while freeing both hands <<http://malco.malcoproducts.com/products/metal-duct/more/ds3-action01.asp>> to align and install drive cleats. The DS3 locks on from either side of duct connection. No need to adjust wheels. Simply place wheel located on moveable cam to one side of adjoining duct flanges. Turn handle downward to pull duct sections together and lock in place greater wheel clearance <<http://malco.malcoproducts.com/products/metal-duct/more/ds3-action02.asp>> makes capturing the ends of duct sections, even misshapen flanges, easier than ever. The versatile shape of the DS3 frame also lets you hook and pull duct from above <<http://malco.malcoproducts.com/products/metal-duct/more/ds3-action03.asp>> as the drive cleat is coaxed along the remainder of flanged track. The durable all steel frame extends beyond wheel edges, making it safe to push, hammer and bend drive cleats as necessary <<http://malco.malcoproducts.com/products/metal-duct/more/ds3-action04.asp>> to complete installation. An offset handle design eliminates knuckle contact with work. Example of motion <<http://malco.malcoproducts.com/products/metal-duct/more/ds3-action05.asp>>.

Part No	Description	Length in (mm)	Net Wt oz (g)	Price
DS3	Locking Duct Stretcher	12 in. (305 mm)	30 (851)	\$73

REPLACEMENT PARTS FOR DS1, DS2, DS3

Part No	Description	Price
DS1C	Replacement wheels, nuts & screws (2 ea.)	\$18

TOOLS

MALCO PRODUCTS

METAL DUCT TOOLS & ACCESSORIES

PIPE CRIMPER: 3 BLADE



Ideal for crimping heavy 22 and 24 gauge sheet metal. Nickel plating and vinyl grips.

Part No	Throat Depth in (mm)	Length in (mm)	Net Wt oz (g)	Price
SC3	1-1/4 (31.75)	9 (229)	14 (397)	\$63

NUT DRIVERS

HEX DRIVERS: MAGNETIC

LONG DRIVERS



Use with Zip-in® and Type “A” hex head screws.

Part No	Hex Opening	Shank Dia	Nose Dia	Handle Color	Overall Length	Price
HHD1	1/4"	5/16"	7/16"	red	10 1/8"	\$25
HHD2	5/16"	5/16"	1/2"	amber	10 1/8"	\$28

STANDARD LENGTHS



Part No	Hex Opening	Shank Dia	Nose Dia	Handle Color	Overall Length	Price
HHD1	1/4"	1/4"	3/8"	red	7 1/4"	\$25
HHD2S	5/16"	1/4"	7/16"	amber	7 1/4"	\$25

PLIERS & WRENCHES

5/16" & 3/16" HEX KEY WRENCH INSERTS



1/4" square drive shanks fit Malco RRW3 and RRW4 Ratchet Wrenches. Facilitates easy ratcheting action for servicing hard to access valves common in air conditioning and refrigeration condensing units. 1-5/8 inches long.

Part No	Square Shank Dia	Hex Key Dia	O/A Lgth	Price
RRW3/16	1/4"	3/16"	1-5/8"	\$15

*RRW3/16 Hex Stock Measures 5/16"

PLIERS & WRENCHES

PLIER: ELECTRICAL - CUTTER/STRIPPER/CRIMPER



Features:

Up front scissors action strips copper wire clean and easily cuts sizes 10 thru 20. Bolt cutters leave a perfect rethread. Plier nose Features serrated jaw and slim profile for pulling and putting loops on wire. Crimps all insulated and non-insulated solderless terminals including 7-8 mm auto. Lifetime pivot point assures greater joint strength and adds easy, precise adjustment capability. Black oxide, satin finish steel. Extra large red vinyl cushion grips.

Part No	Bolt Capacities	Cutting Capacities	Crimping	Stripping	Overall Length	Net Wt oz (g)	Price
WSC8	4-40, 5-40, 6-32	8-32, 10-32, 10-24	22-10 ga.	22-10 ga.	8 1/4"	8 oz.	\$50

TOOLS

MALCO PRODUCTS

POWER DRIVERS

1/4" HEX SHANK POWER BITS

MAGNETIC HEX DRIVERS



Part No	Hex Opening	Shank Dia	Nose Dia	Overall Length	Price
MSH5/16	5/16"	1/4"	1/2"	1-3/4"	\$15
MSH1/4	1/4"	1/4"	7/16"	1-3/4"	\$13

RECIPROCATING SAW BLADES

GENERAL PURPOSE BLADES (BIMETAL)



Straight Profile
4GT10 used for cuts in wood with nails or metals > 3/16".

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4GT10	6 x 3/4 x .031 (152 x 19 x 0.79)	10	Alternate	Standard	Milled	\$28



Plunge Cut Tip - Progressive Pitch
Smaller teeth near blade shank and larger teeth at tip for faster cuts / longer life. **8PAP** is a **BiMetal, Progressive Pitch** blade used for making fast cuts in wood, wood with nails, non-ferrous metals (including aluminum and brass), plastic and fiberglass. This durable blade offers outstanding performance in thick or thin materials.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
8PAP	8 x 3/4 x .051 (203 x 19 x 1.30)	Progr.	Wavy	Special Progressive	Milled	\$48

METAL CUTTING BLADES (BIMETAL)



Scroll Blade
2MS18 used for scroll cuts in metals to 1/8".

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
2MS18	3 1/2 x 1/4 x .031 (89 x 6 x 0.79)	16	Raker	Standard	Milled	\$28

STRAIGHT PROFILE - HIGH SPEED CUTTING



3MC24, 4MC24 used for metal sheet, pipe, profiles under 18 gauge.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
3MC24	4 x 3/4 x .031 (102 x 19 x 0.79)	24	Wavy	Standard	Milled	\$23

STRAIGHT PROFILE - HIGH SPEED CUTTING



3TF18, 4TF18 used for 18 gauge to 1/8" metals.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
3TF18	4 x 3/4 x .031 (102 x 19 x 0.79)	18	Raker	Standard	Milled	\$23

TOOLS

TOOLS

MALCO PRODUCTS

RECIPROCATING SAW BLADES

METAL CUTTING BLADES (BIMETAL)



Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4MC24	6 x 3/4 x .031 (152 x 19 x 0.79)	24	Wavy	Standard	Milled	\$28



Straight Profile - High Speed Cutting
4TF14 used for metals, including stainless over 1/8"

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4TF14	6 x 3/4 x .031 (152 x 19 x 0.79)	14	Raker	Standard	Milled	\$28



Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4TF18	6 x 3/4 x .031 (152 x 19 x 0.79)	18	Raker	Standard	Milled	\$28



Plunge Cut Tip - Progressive Pitch
Smaller teeth near blade shank and larger teeth at tip for faster cuts / longer life. **6PMC** is a **BiMetal, Progressive Pitch** blade used for making faster, clean cuts in thick or thin material including non-ferrous metals, galvanized sheet metal, copper and steel pipe, and steel and aluminum profiles. This shatterproof blade offers maximum on the job performance and long service life.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
6PMC	6 x 3/4 x .037 (152 x 19 x 0.94)	Progr.	Wavy	Variable/Standard/P rogressive	Milled	\$30



Straight Profile - Variable Pitch
9MC10 used for pipe diameters to 4" O.D.
(Note: Do not use to cut waste stack.)

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
9MC10	9 x 3/4 x .050 (229 x 19 x 1.27)	10/14	Raker	Variable/Standard	Milled	\$48

METAL CUTTING BLADES (HIGH SPEED STEEL)



Straight Profile - High Speed Cutting
4MC14 used for metals over 1/8".
4MC18 used for 18 gauge to 1/8" metals.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4MC14	6 x 5/8 x .031 (152 x 16 x 0.79)	14	Raker	Standard	Milled	\$28
4MC18	6 x 5/8 x .031 (152 x 16 x 0.79)	18	Raker	Standard	Milled	\$28

WOOD CUTTING BLADES (BIMETAL)



Keyhole Profile - Variable Pitch
Varied tooth sizes permit an overall coarser pitch for aggressive cutting in wood with nails.
4KH6, 8KH7, 12KH8 used for rough-in, mild contours in wood with nails.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
12KH8	12 x 3/4 x .049 (305 x 19 x 1.24)	5/7	Alternate	Variable/Standard	Milled	\$60

TOOLS

MALCO PRODUCTS

RECIPROCATING SAW BLADES

WOOD CUTTING BLADES (BIMETAL)



Deluxe Contour
4DL6 used for rough-in, contours in wood with nails.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
4DL6	6 x 5/8 x .050 (152 x 16 x 1.27)	6	Alternate	Standard	Milled	\$38



Straight Profile
4GT7 used for smooth cutting in hard and soft wood, composition.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
4GT7	6 x 5/8 x .031 (152 x 16 x 0.79)	6	Alternate	Standard	Milled	\$28



Keyhole Profile - Variable Pitch
Varied tooth sizes permit an overall coarser pitch for aggressive cutting in wood with nails.
4KH6, 8KH7, 12KH8 used for rough-in, mild contours in wood with nails.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
4KH6	6 x 3/4 x .059 (152 x 19 x 1.50)	5/7	Alternate	Variable/Standard	Milled	\$33



Keyhole Profile
4KH8 produces less vibration, smoother, cleaner cuts in wood with nails, composition board.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
4KH8	6 x 3/4 x .049 (152 x 19 x 1.24)	8	Alternate	Standard	Milled	\$35



Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
8KH7	9 x 3/4 x .049 (229 x 19 x 1.24)	5/7	Alternate	Variable/Standard	Milled	\$43

WOOD CUTTING BLADES (HIGH CARBON STEEL)



Keyhole Profile
12KH7 used for rough-in mild contours in nail free wood.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
12KH7	12 x 3/4 x .049 (305 x 19 x 1.24)	6	Alternate	Standard	Ground	\$38



Keyhole Profile - Fleam Sharpened
Teeth are fleam sharpened (alternate ground set) for fast feeding, clean shearing action. **4KH7** used for rough-in, mild contours in nail free wood.

Tooth						
Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Form	Cutting Edge	Price
4KH7	6 x 3/4 x .049 (152 x 19 x 1.24)	6	Alternate	Standard	Ground	\$23

TOOLS

MALCO PRODUCTS

RECIPROCATING SAW BLADES

WOOD CUTTING BLADES (HIGH CARBON STEEL)



Supreme Contour - Fleam Sharpened
Teeth are fleam sharpened (alternate ground set) for fast feeding, clean shearing action. **4S6** is fasted cutting blade for rough-in, contours in nail free wood. **4S8** used for rough-in contours in wood with nails.

Part No	Nominal L x W x Thickness inches (mm)	Teeth Per Inch	Set	Tooth		Price
				Form	Cutting Edge	
4S6	6 x 5/8 x .050 (152 x 16 x 1.27)	6	Alternate	Standard	Milled	\$35

SAWS HOLE SAWS

BIMETAL HOLE IN ONE SAW



Part No	Diameter Inches	Entr Size	Price
H12	3/4	3/8	\$33
H16	1	3/4	\$35
H20	1-1/4	1	\$35
H64	4	3-1/2	\$115

All sizes feature 4/6 VARIABLE PITCH TEETH for aggressive cutting in all machinable materials.

SHEAR / CUTTER ACCESSORIES

HOLE CUTTERS

LARGE DIAMETER HOLE CUTTER



The No. HC2 Hole Cutter adjusts for making 2 to 20 inch holes in galvanized sheet metal. It will install into the chuck of a standard electric drill as small as 1/4" and uses the same No. CB mill type Cutting Bit and other replacement parts as the more compact 12 inch maximum diameter HC1. Both Malco Hole Cutters store easily in a tool box and both the HC2 and HC1 feature a lightweight aluminum frame and high speed bearings at top and bottom of drill shaft to assure perfect cutting balance and long cutting life.

Part No	Capacity	Net Wt oz (g)	Hole Diameter in (mm)	Price
HC2	20 ga.	22 (624)	2-20 (51-508)	\$185

NOTE: Cutting bit wears only in the dimension of the thickness of material cut. Adjusting bit up or down slightly will expose a new cutting edge and thus increase life of bit.

HOLE CUTTERS

REPLACEMENT CUTTER BIT



Part No	Description	Price
CB	Mill type cutting bit for HC1 & HC2	\$25

NOTE: Cutting bit wears only in the dimension of the thickness of material cut. Adjusting bit up or down slightly will expose a new cutting edge and thus increase life of bit.

SNIPS: FOR METAL AND VINYL

12-INCH COMBINATION



Part No	Length Of Cut in (mm)	Net Wt oz (g)	Tool Length in (mm)	Repl Blade	Price
MC12N	3.00 (76)	15.50 (439)	12.00 (304)	MC12NRB	\$78

TOOLS

MALCO PRODUCTS

SNIPS: FOR METAL AND VINYL
14-INCH COMBINATION



Part No	Length Of Cut In (mm)	Net Wt oz (g)	Tool Length in (mm)	Repl Blade	Price
MC14N	3.25 (82.55)	19.50 (553)	14.25 (362)	MC14NRB	\$85

SNIPS: FOR METAL AND VINYL
AVIATION SNIPS



Part No	Description	Price
L9M	Torpedo Level	\$43
M2001	Aviation Snip - left cut	\$58
M2002	Aviation Snip - right cut	\$58

SNIPS: FOR METAL AND VINYL
REPLACEMENT SPRING

Part No	Description	Price
M2000S	Fits all Max2000 Snips	\$5

TOOL KITS
HVAC DELUXE STARTER KIT WITH FREE 1602 TOOL BOX



Part No	Description	Price
DSK	The following 27 tools and a FREE 1602 all steel box with tray 18" x 8" x 9" (457 x 203 x 229 mm).	\$1,188

Kit Includes:

C5 - Pipe Crimper **SL1** - Snap Lock Punch **N1** - Hand Notcher **S2** - Hand Seamer
12F - Folding Tool **18** - Divider **M2001** - Aviation Snip - left cut **M2002** - Aviation
snip - right cut **M2005** - Bulldog Aviation Snip **M14N** - 14" (362 mm) Aluminum
handled Pattern Snip **K44** - 10-12 Screwdriver **K56** - 12-16 Screwdriver **P33** - No. 1
Phillips Driver **P44** - No. 2 Phillips Driver **AO 1/8"** - (6.35 mm) Scratch Awl **A1** -
7/32" (5.54 mm) Scratch Awl **SH3** - Setting Hammer **T416M** - 1" x 16' Magnetic
Tape Measure **W29** - Hex Key Set **WM502** - Wooden Mallet **DS2** - Offset Duct
Stretchers **MSH1/4** - Hex Chuck **MSH5/16** - Hex Chuck **ND8** - 1/4" Nut Driver
ND10 - 5/16" Nut Driver **L9M** - Torpedo Level **TY4** - Tie Tool **HW8x1/2Z** - Zip-ins
100 pack FR

TUBING TOOLS
COMBINATION SWAGING PUNCHES
6-IN-1 SWAGING TOOL



Part No	Tubing OD in (mm)	Price
ST96	3/16, 1/4, 5/16, 3/8, 1/2, & 5/8" (5, 6, 8, 10, 13, 16)	\$33

TOOLS

MALCO PRODUCTS

TUBING TOOLS

COMBINATION SWAGING PUNCHES



Three sizes in one tool. Knurled stock for easy removal of punch.

Part No	Tubing OD in (mm)	Nominal Sizes inches	Price
ST94	1/2, 5/8, 7/8 (13, 16, 22)	3/8, 1/2, 3/4	\$70

FLARING TOOLS



Features:
Flare 7 sizes of soft copper, aluminum and brass tubing. Forged steel slip on yoke and hardened flaring bar. Yoke design permits flaring where there is little space between nut and tube end. Positive clamping of bars prevents tube slippage. Hard chrome-finished swivel-type cone makes better flares with less effort. Satin finish nickel chromed plated.

Part No	Lbs per Hour	Hour (GPH)	Day (GPD)	Internal Heating Source	Price
FT195	NA	FT195	3/16, 1/4, 5/16, 3/8, 7/16, 1/2, 5/8 (5, 6, 8, 10, 11, 13, 16)	1/8, 1/4, 3/8, 1/2 in.	\$113



Flares 4 sizes of soft copper, aluminum and brass tubing. Forged steel slip on yoke and hardened flaring bar. Positive clamping of bars prevents tube slippage. Swivel type cone makes clean, accurate flares with less effort. Body of tool is satin finish nickel-chrome plated.

Part No	Description	Tubing OD	Nominal Sizes	Price
FT203	1 1/8" O.D. CAPACITY	5/8, 3/4, 7/8, 1 1/8 in. (16, 19, 22, 29 mm.)	1/2, 5/8, 3/4, 1 in.	\$238

IMP TUBE CUTTER



A handy tube cutter for cramped spaces so often encountered on installations or repairs. Only 1-11/16" x 1-15/16" x 7/8". Weighs only 2-1/2 oz. A mere 1-1/4" clearance is all that is needed to operate the "Imp".

Part No	Tubing OD in (mm)	Price
TC127	1/8 to 5/8 (4 to 15)	\$35

REPLACEMENT WHEEL



Part No	Description	Price
RW127	Cutting Wheel For TC127	\$8

REAMER-DEBURRING TOOLS



Features --
• All metal construction
• Tool Steel blades

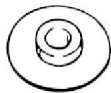
Part No	Tubing OD in (mm)	Nominal Sizes inches	Price
R208	3/16 to 1-1/2 (5 to 38)	1/8 to 1-1/4	\$50

TOOLS

MALCO PRODUCTS

TUBING TOOLS

REPLACEMENT CUTTING WHEELS



Part No	Description	Price
75046	Cutting wheel	\$20

TUBE BENDERS



Features:
These budget priced tools are for bending soft tubing to any shape without collapsing walls. The special spring steel is zinc finished. One end is flared for quick tube insertion and removal. The 5 convenient sizes can be used economically for many jobs.

Part No	Description	Price
TB102K	Set of above	\$50

TUBE CUTTERS



Features:
For hard or soft copper tubing. Makes clean, right-angle cuts with no burrs or chips to clog tubing. Features ball bearing feed, flare cut-off groove, retractable reamer and spare cutting wheel. Rugged aluminum alloy body is designed for handling ease.

Part No	Tubing OD in (mm)	Nominal Sizes Inches	Price
TC312	1/4 to 1-5/8 (7 to 41)	1/8 to 1-1/2	\$100



Features:
For hard or soft copper tubing. Makes clean, right-angle cuts with no burrs or chips to clog tubing. Features ball bearing feed, flare cut-off groove, retractable reamer and spare cutting wheel. Rugged aluminum alloy body is designed for handling ease.

Part No	Tubing OD in (mm)	Nominal Sizes Inches	Price
TC274	1/8 to 1-1/8 (4 to 28)	1/8 to 1	\$80

REPLACEMENT CUTTING WHEELS



Part No	Description	Price
RW274	Cutting Wheel For TC274, TC312, TC174	\$8

TOOLS

TESTO INC

DIGITAL COMBUSTION ANALYZER



Digital combustion analyzers use an oxygen sensor and a fuel-based calculation to give you a calculated CO2 reading. This requires that you be sure to enter the correct fuel code choice when prompted to by your digital analyzer. digital analyzer uses temperature and oxygen sensor data and a series of fuel specific equations to arrive at efficiency readings. Two temperature inputs are needed, the air temperature before (combustion air) and after combustion (past the last heat exchanger). The combustion air temperature is usually assumed to be constant during a combustion test and at the same temperature as the ambient air. Therefore, this value is taken as a "snapshot" during instrument warm up. So, be sure to have your probe in an area representing the temperature of the combustion air. If you need to continuously measure combustion air temperature, dynamic readings are accepted by most analyzers through the use of a second thermocouple attached to the analyzer and suspended in the combustion air stream. This provides for continuous updates of differential temperature for use in the combustion equations.

Part No	Description	Price
0000-305S2	305 Electronic Combustion Analyzer	\$860

COMBUSTION ANALYZERS FOR CONTRACTORS

ADDITIONAL ACCESSORIES AND SPARE PARTS



Part No	Description	Price
0554 0307	Smoke Tester With Lube Oil & Smoke Spot Chart For Oil Heating Systems	\$363

FOR TESTO 325-2 FLUE GAS ANALYSE



Part No	Description	Packing/pack	Price
0554 0040	Replacement particle filter For CO flue gas probe	10	\$80

PRINTER AND ACCESSORIES

Part No	Description	rolls	Price
0554 0569	Spare Thermal Paper For Printer	6	\$78

MEASURING INSTRUMENTS

TESTO VIEW 318



• Comfortable grip handle for long term inspections • Convenient on/off light switch • Easily adjustable eyepiece • Available in 18", 24", 36", 48" 72" and 96" lengths plus thin versions (1/4 in. diam.) • Lengths up to 40 feet are available by custom order• Spring-lock shaft, really stays put • Superior optics • 25-hour battery life • Bright, white lighting (high/low beam) • LED light source never needs replacement

Part No	Description	Price
0000-0318HX	Heat Exchanger Scope	\$1,205

TESTO 318-2



• No. of pixels: 6,000 • Fibre-optic field of view: 50° • Angle of field of view: 45° +/- 5° • Min. focus distance: 0.5 in. (close) • Max. focus distance: 6 in. (light) • Operating and storage temperature: -4° to + 140°F • Working temperature/Probe: -4° to + 176°F • Probe diameter: 0.25 in. • Probe length: 49 in. +/- 6 • Max. bending radius: 2 in. • Light source: LED 2 point light • Battery life: Typically 50,000 h • Probe resistance: Probe tip water-proof up to handle • Short-term resistance to silicone oils, petrol and kerosene. Oils or petrol must be wiped off immediately after immersion • Housing: Black

Part No	Description	Battery		Price
		Type	Life	
0632 0319	Testo 318-2, fiberscope, probe length 457 mm, incl. halogen lamp	3 AA Mignon 1.5 V	4 h	\$793

TOOLS

TESTO INC

PRACTICAL MEASURING INSTRUMENTS FOR NON-CONTACT MEASUREMENTS

TESTO 825-T4



Testo 825-T4, the top model in the testo 825 series. In addition to the above-mentioned advantages of testo 825-T3, testo 825-T4 also has laser sighting and a reliable audible alarm.

- Laser sighting
- Waterproof and robust thanks to TopSafe (IP67)
- Emissivity adjustable from 0.20 to 1.00
- Determines emissivity via reference sprung measuring side
- Audible alarm if limit value is exceeded

Part No	Description	Storage temperature	Battery			
			Type	Life	Dimensions	Price
0560 8258	testo 825-T4, 2 in 1 thermometer with laser and alarm, incl. TopSafe and wall/belt holder	-40 to +158 °F	2 AAA batteries	20 hr	7.2 x 2 x .75 in	\$733

TEMPERATURE

TESTO 905-T1



testo 905-T1 is one of the fastest mini thermometers available with a wide measuring range from -50 to +350°C, short-term (1-2 minutes) up to +500°C. Particularly in the top measuring range, testo 905-T1 is much more accurate than most thermometers in this price range.

- Quick measurement
- Professional industrial sensor (type K thermocouple)
- High temperature measurement, short-term to 932°F
- Product advantage 04 Catalogue?
- Auto-OFF function
- Swivel head making display always easy to read, patent pending
- Quick and large display
- Exclusive from Testo: The sensor is located in measuring tip
- (1=Probe pipe, 2=Sensor) null

Part No	Description	Storage Temperature	Type	Life	Weight	Price
0560 9051	testo 905-T1 temperature measurement stick incl. multi-function clip, battery	-4 to +158 °F	null	150 hr	3.8 oz	\$203

TESTO 506 DIFFERENTIAL PRESSURE METER



Testo 506 (500 Pa) makes it possible to measure air flow using a Pitot tube. Even air density can be compensated. With its very high accuracy level, it is ideal for applications in air conditioning, ventilation and in clean rooms.

- Integrated air flow measurement up to 27 m/s
- 5 switchable units: Pa, mmH2O, mmHg, inH2O, psi
- Magnetic holder and suspension eye on the back
- Hose connections for 0.16 in. and 0.23 in. inner diameter null

Part No	Description	Storage temperature	Battery			
			Type	Life	Dimensions	Price
0560 5062	0 to 500 Pa, incl. connection hoses and battery	-4 to +158 °F	2 lithium batteries (CR2032)	150 hr	3.38 x 1.9 x 0.94 in	\$723

TESTO HUMIDITY STICK



- Highly accurate; NIST-certified calibration
- Wide measuring range
- Measures temperature, humidity, and dew point
- Provides dew point calculations
- EconomicalPatented "drift-free" humidity sensor
- Long-term stability
- Unaffected by water
- Easy to use
- One-button operation

Part No	Description	Battery		Measuring				Length	Price
		Type	Life	Range	Parameters	Resolution			
0560-6052	Testo Humidity Stick, Digital Hygrometer, (Wet Bulb)	3-V button cell	Approx. 200 hrs	5 to 95% RH, -4 to 160 F	% RH/C/F/dew point	0.1% RH/0.1 F		5 inches	\$323

TOOLS

TESTO INC

TESTO VELOCITY STICK



• Easy to use • Low cost • Small and lightweight; fits in pocket or toolbox • Measures in ducts and duct outlets • Displays feet per minute (fpm), temperature, and volume flow calculation • Patented pivoting head provides easy viewing of LCD • Auto OFF function • Wide measuring range • Ideal for HVAC professionals

Battery						
Part No	Description	Type	Life	Resolution	Probe stem	Price
0560-4052	Testo Velocity Stick, Mini-Anemometer	3 micro (AAA)	Approx. 750 measurements(2 minutes each)	0.1 fpm/0.1 F	0.5 inches/0.6 inches	\$410

THERMADYNE

TURBOTORCH

ACETYLENE HOSE

AH-12



Part No	Model No	Description	Price
0386-1090	AH-12	12ft. Hose "A" Fitting	\$48

TURBOTORCH

ADAPTER

MCT



Part No	Description	Price
MCT	Adapter Acetyl B Regulatr to MC	\$60

EXTREME SELF LIGHTING REPLACEMENT TIPS

PL-5A



Increase the range of your torch kit with additional self lighting tips. All TurboTorch tips feature an orifice screw that can be easily removed for simple cleaning or replacement, extending the life of the tip.

Part No	Tip No	Tip Size	Gas Flow		Soft Solder	Silver Braze	BTU	Price
		(in)	@14 PSI SCFH	(09 BAR) M3/HR	(in)	(in)		
0386-0818	PL-5A	3/16	5	.42	3/4-1 1/2	1/4-3/4	2,080	\$138

PL-8A



Increase the range of your torch kit with additional self lighting tips. All TurboTorch tips feature an orifice screw that can be easily removed for simple cleaning or replacement, extending the life of the tip.

Part No	Tip No	Tip Size	Gas Flow		Soft Solder	Silver Braze	BTU	Price
		(in)	@14 PSI SCFH	(09 BAR) M3/HR	(in)	(in)		
0386-0834	PL-8A	5/16	7	.59	1-2	1/2-1	2,520	\$144

EXTREME STANDARD TIPS

A-11



Part No	Tip No	Tip Size	Gas Flow		Soft Solder	Replacement Orifice Model	Price
		(in)	@14 PSI SCFH	(09 BAR) M3/HR	(in)		
0386-0104	A-11	7/16	11.0	.94	1 1/2-3	OR-A11	\$120

TOOLS

THERMADYNE

TURBOTORCH

EXTREME STANDARD TIPS

A-3



Part No	Tip No	Tip Size (in)	Gas Flow		Soft Solder (in)	Replacement Orifice Model	Price
			@14 PSI SCFH	(09 BAR) M3/HR			
0386-0101	A-3	3/16	3.6	.31	1/4-1	OR-A3	\$88

A-5



Part No	Tip No	Tip Size (in)	Gas Flow		Soft Solder (in)	Replacement Orifice Model	Price
			@14 PSI SCFH	(09 BAR) M3/HR			
0386-0102	A-5	1/4	5.7	.48	3/4-1 1/2	OR-A5	\$102

A-8



Part No	Tip No	Tip Size (in)	Gas Flow		Soft Solder (in)	Replacement Orifice Model	Price
			@14 PSI SCFH	(09 BAR) M3/HR			
0386-0103	A-8	5/16	8.3	.71	1-2	OR-A8	\$112

EXTREME STANDARD TORCH KITS

X-3B

**Components**

• AR-B (CGA 520) Regulator • G-4 Handle • AH-12 Hose • A-3 Tip • A-11 Tip • Soft solders to 3" (75mm) • Silver brazes to 1-5/8" (40mm) • "B" Tank Connection • Instruction Manual

Part No	Kit No	Soft Solders	Silver Brazes	Handle	Hose	Tips	Valve Position	Price
0386-0335	X-3B	3", 75mm	1-5/8", 40mm	G4	AH-12	A-3, A-11	Rear	\$406

X-5B

**Components**

• AR-B (CGA 520) Regulator • G-4 Handle • AH-12 Hose • A-3 Tip • A-11 Tip • Soft solders to 3" (75mm) • Silver brazes to 1-5/8" (40mm) • "B" Tank Connection • Instruction Manual

Part No	Kit No	Soft Solders	Silver Brazes	Handle	Hose	Tips	Valve Position	Price
0386-0338	X-5B	1-1/2", 40mm	3/4", 20mm	G4	AH-12	A-5	Rear	\$318

REPLACEMENT GAUGE

AG-1



Part No	Description	Price
AG-1	Repl Acetyl Contents Gauge for AR-B	\$48

SWIRL AIR ACETYLENE COMPONENTS - ACCESSORIES

AR-B



Part No	Model No	Price
0386-0725	AR-B	\$116

TOOLS

THERMADYNE

TURBOTORCH

SWIRL AIR ACETYLENE COMPONENTS - ACCESSORIES

G4



Part No	Model No	Description	Price
0386-0308	G4	TurboTorch	\$110

TURBOTORCH

PURGING REGULATOR



Part No	H P Gauge		L P Gauge		Delivery Range		Price
	(PSIG)	(KPA)	(PSIG)	(KPA)	(PSIG)	(KPA)	
0386-0814	4,000	28,000	400	2,800	0-250	0-1750	\$134

TURBOTORCH

EXTREME STK TORCHES AND TIPS

ST-11



Part No	Tip No	Soft Solders	Silver Brazes	Replacement Orifice	BTU MAPP	Price
0386-1282	ST-11	1"-4" ,25-102mm	1/2-2",13-51mm	STOR-3	3600	\$100

ST-33



Part No	Tip No	Soft Solders	Silver Brazes	Replacement Orifice	BTU MAPP	Price
0386-0850	ST-33	1/4"-3" , 6-76mm	1/4-1", 6-25mm	STOR-3	1,700	\$102

ST-4



Part No	Tip No	Soft Solders	Silver Brazes	Replacement Orifice	BTU MAPP	Price
0386-0183	ST-4	1 3/8"-2" , 35-51mm	1 3/8"-1 1/2",35-38mm	STOR-3	1,800	\$106

ST-5



Part No	Tip No	Soft Solders	Silver Brazes	Replacement Orifice	BTU MAPP	Price
0386-0184	ST-5	1/8"-3/8",3-10m m	1/8"-3/8",3-10m m	STOR-1	1,800	\$78

STK-9



Part No	Tip No	Price
0386-0403	STK-9	\$106

TOOLS

THERMADYNE

TURBOTORCH

MT-1 MAPP GAS



- MAPP® Gas replacement tank for use with TurboTorch dual fuel hand torches. Also use with TurboTorch #TT-LP Leak Detector.
- Contains 16 oz. of MAPP® Gas.
- CGA 600 Connection
- Non-Refillable

Part No	Description	Price
0916-0009	Mapp Gas 1lb. Tank (1 Case)	\$14

PT-1 PROPANE REPLACEMENT TANK



- Propane replacement tank for use with all TurboTorch hand torches. Also for use with TurboTorch #TT-LP Leak Detector.
- Contains 14.1 oz. propane.
- CGA 600 Connection
- Non-Refillable

Part No	Model No	Price
0916-0004	PT-1	\$10

TURBOTOTES

TT-150



Durable composite construction fits “B” tank. Features include a hose rack for storage while not in use and helps protect the regulator from accidental damage. A large handle keeps your tank portable. Your spark lighter is close at hand in its own holder accessory. “B” tote can be changed from one tank to another without special tools. A heavy nylon belt can keep your outfit secure on scaffolds or in the truck.

Part No	Model No	Price
1421-0016	TT-150	\$84

UNIVERSAL ENTERPRISES

AC AMMETER



Part No	Description	Price
MA1	AC Ammeter For Heat Anticiptr	\$60

ACCESSORIES

DIAL THERMOMETERS



Part No	Description	Price
T220	Pocket Dial Thermometers, 1" 0 to +220°F, 5" Length, (NSF)	\$10

REPLACEMENT FUSES

Features: Fuse, 0.5A 240V Pkg 3

Part No	Description	For model #	Price
AF145	FUSE, 0.5A 240V PKG 3	DM400/DL250	\$18
AF155	FUSE, 0.5A 600V PKG 3	DM383B/DM400/DL250	\$28
AF160	FUSE, 12.5A 250V PKG 3	DM400	\$73

TOOLS

UNIVERSAL ENTERPRISES

CLAMP-ON METERS



Part No	Description	Price
DL49	400A AC/DC, 600 V AC/DC, Resistance + more	\$283

DIGITAL MULTIMETERS

DM400



Features include
• 3-3/4 digit, 4000 count display • Autoranging with manual ranging override • Fused 400 milliamp and 10 amp ranges • Basic DC voltage accuracy of 0.5% • 400 millivolt AC range for 45 Hz to 100 Hz • MIN/MAX recording function • Data hold • Audible continuity indicator • Diode test function • 600 volt input protection in the ohms function • Surge voltage protection • Water resistant • Hold and low-battery annunciators • Auto polarity • Rubber boot • Large LCD display

Battery			
Part No	Type	Life (alkaline)	Price
DM400	1.5 V x 2, AAM or R6	1000 hours typical	\$200

LEAK & PRESSURE TEMPERATURE/HUMIDITY

PRESSURE DETECTORS

ELECTRONIC MANOMETER



Part No	Measures Pressure	MBar	Price
EM200	60" wg	150	\$410

MULTIMETERS



Part No	Description	Price
DM5B	Pocket size, 5A AC/DC, 750V AC/DC, Resist, Analog bar graph	\$105

SINGLE INPUT ADAPTER



Features:
Temperture adapter for digital meters K-type thermocouple included (ATT29) Works on meters with 200mV or 2VDC ranges

Part No	Range	Accuracy	Power-On	Price
TA1K	-50 to 199.9 F on 200mV range AK23, -50 to 500F on 2 VDC range	+/- 0.5% of reading +/- 1 digit	Indicator	\$118

TEMPERATURE TESTERS

DIGITAL POCKET THERMOMETER

PDT550



Measures			
Part No	F°	C°	Price
PDT550	-58° ~ 571°	-50 ~ 300°	\$48

VENTING PRODUCTS

HART & COOLEY

ALL FUEL CHIMNEY PIPE



• Available in 6", 7", 8", 10", 12", and 14". Pipe length, dimension "B" is installed length.

Part No.	Size	Dim	
		Length	Price
6TDPA	6"	Single wall adapter	\$30
6TDPLB	6"	locking band	\$3
7TDPA	7"	Single wall adapter	\$35
7TDPLB	7"	locking band	\$5
8TDPA	8"	Single wall adapter	\$43
8TDPLB	8"	locking band	\$3
6TDP18	6"	18"	\$113
6TDP30	6"	30"	\$180
6TDP6	6"	6"	\$80
6TDP9	6"	9"	\$88
7TDP18	7"	18"	\$145
7TDP30	7"	30"	\$230
7TDP6	7"	6"	\$95
7TDP9	7"	9"	\$110
8TDP18	8"	18"	\$170
8TDP30	8"	30"	\$270
8TDP6	8"	6"	\$113
8TDP9	8"	9"	\$128

TDEL INSULATED 15° ELBOW



- Elbows are used when it is necessary to offset the chimney to avoid framing members or to penetrate the roof closer to the ridge.
- Maximum allowable angle from vertical is 30° when fly ash producing fuel is used.
- Use only inside the structure because joints are not watertight.

Part No.	Dim	
	Size	Price
6TDEL	6"	\$153
7TDEL	7"	\$178
8TDEL	8"	\$195

TDIT INSULATED TEE



- The insulated tee may be used to support chimneys on noncombustible wall brackets or masonry piers.
- The maximum height chimney so supported is 45 feet.
- Removable tee cap for cleaning and inspection is provided.

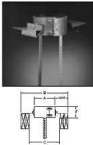
Part No.	Dim	
	Size	Price
6TDIT	6"	\$285
7TDIT	7"	\$350
8TDIT	8"	\$405

VENTING PRODUCTS

HART & COOLEY

ALL FUEL CHIMNEY PIPE

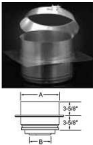
TDRS ROOF SUPPORT



- Ideal for free-standing fireplaces and installations in structures with open cathedral ceilings.
- Adjusts to all roof pitches.
- Will support up to **30 feet** of chimney.

Part No.	Dim Size	Price
6TDRS	6"	\$58
7TDRS	7"	\$63
8TDRS	8"	\$60

TDSC CEILING SUPPORT



- Packaged unit for supporting the chimney from floor or ceiling joists.
- Includes support collar (for support with integral trim see TDSCCT).
- Will support up to **65 feet** of chimney.
- The TDSC should be used when it is necessary to extend insulated pipe below the support.

Part No.	Dim Size	Price
6TDSC	6"	\$68
7TDSC	7"	\$90
8TDSC	8"	\$93

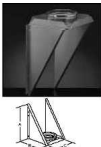
TDSCCT SUPPORT AND TRIM PACKAGE



- Black finished, support and trim unit used at ceiling line where single-wall pipe enters chimney.
- Will support **65 feet** of chimney.
- Decorative trim plate covers hole in ceiling.

Part No.	Dim Size	Price
6TDSCCT	6"	\$88
7TDSCCT	7"	\$108
8TDSCCT	8"	\$110

TDSW WALL SUPPORT



- Designed for use with insulated tee to provide support for a chimney on interior or exterior installation.
 - Brackets can be mounted below the plate (see photo) or above the plate per drawing).
 - Maximum chimney height that can be supported is **45 feet**.
- NOTE: Do not use in this position for 6" size.

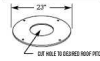
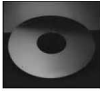
Part No.	Dim Size	Price
6TDSW	6"	\$120
7TDSW	7"	\$145
8TDSW	8"	\$163

VENTING PRODUCTS

HART & COOLEY

ALL FUEL CHIMNEY PIPE

TDTR CUT-OUT TRIM RING



- For slopes from flat to 12/12 pitch.
- Black finish one-piece trim ring with template for cutting to required pitch.
- The TDTR is used when a TDP chimney section is hung below the TDRS Roof Support.
- The TDTR will finish off the ceiling.
- Available in 6"-10".

Part No.	Size	Price
6TDTR	6"	\$43
6TDTR	6"	\$43
7TDTR	7"	\$45
8TDTR	8"	\$45

TDTS STAINLESS STARTER AND CLEANOUT TEE



- Needed on chimneys with open termination to prevent rain from damaging appliance.
- Drip cap can be removed for cleanout and inspection.

Part No.	Dim Size	Price
6TDTS	6"	\$103
7TDTS	7"	\$120
8TDTS	8"	\$120

ALL FUEL CHIMNEY PIPE

RLA FEMALE B-VENT ADAPTER



- Sold separately; not part of kit

Part No.	Size	Price
3RLA	3"	\$15
5RLA	5"	\$20
6RLA	6"	\$23
7RLA	7"	\$35
8RLA	8"	\$40

ALL FUEL CHIMNEY PIPE

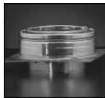
TDJS-JOIST SHIELD



Part No.	Size	Price
6TDJS	6"	\$65
7TDJS	7"	\$60
8TDJS	8"	\$63

ALL FUEL CHIMNEY PIPE

TDAP ANCHOR PLATE



- Heavy gauge steel plate provides a positive connection for chimney to masonry.
- Pipe locks to extension above plate.
- Also for use with a TDIT insulated tee, when tee is supported on masonry piers.

Part No.	Price
6TDAP	\$73

HART & COOLEY

ALL FUEL CHIMNEY PIPE

TDFS FIRESTOP SPACER



- Offers complete protection at ceiling joists, and maintains required clearance between the chimney and combustible surfaces.
- Also required where insulated pipe penetrates a framed wall.

Part No.	Dim Size	Price
6TDFS	6"	\$23
7TDFS	7"	\$25
8TDFS	8"	\$25

TDIS INSULATION SHIELD



- A spacer assembly intended for attic installation to prevent loose fill or other insulation from contacting the chimney pipe.

Part No.	Dim Size	Price
6TDIS	6"	\$150
7TDIS	7"	\$160
8TDIS	8"	\$165

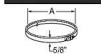
ALL FUEL CHIMNEY PIPE

TDS STORM COLLAR



Part No.	Dim Size	Price
6TDS	6"	\$13
7TDS	7"	\$18
8TDS	8"	\$23

TDSB SUPPORT BAND



- Chimneys with round vent terminations extending 5 feet or more above the roof must be braced.
- The support band provides a means of attaching bracing to the pipe.

Part No.	Size	Price
6TDSB	6"	\$15
7TDSB	7"	\$18
8TDSB	8"	\$18

TDTC CATHEDRAL TRIM RING



- For slopes above 16/12 to 36/12 pitch.
- Black finish two-piece trim ring with template for cutting to required pitch.
- Available in 6" - 10".

Part No.	Size	Price
6TDTC	6"	\$53
7TDTC	7"	\$58
8TDTC	8"	\$58

VENTING PRODUCTS

HART & COOLEY

ALL FUEL CHIMNEY PIPE

TDF ADJUSTABLE ROOF FLASHING



- Flashing will adjust to suit roof pitch from flat to 6/12 pitch.
- Can be used with roof support (TDRS).
- Must be used with storm collar (TDS).
- Flashings for more than 6/12 pitch available on special order. 6/12-12/12 TDFA, 12/12-24/12 TDFB.

Part No.	Dim Size	Price
6TDF	6"	\$58
7TDF	7"	\$80
8TDF	8"	\$90

TDTF TALL CONE ROOF FLASHING



- For flat roofs 11" high, cone provides protection against water or snow accumulation around chimney.
- Must be used with storm collar (TDS).

Part No.	Dim Size	Price
6TDTF	6"	\$73
7TDTF	7"	\$95
8TDTF	8"	\$128

TDWB WALL BAND



- The wall band is used to stabilize the chimney along the wall and maintain proper clearance.
- Chimney should be supported at 8- foot intervals above starting point.

Part No.	Dim Size	Price
6TDWB	6"	\$35
7TDWB	7"	\$48
8TDWB	8"	\$48

ALL FUEL CHIMNEY PIPE

TDC CAP



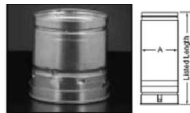
- Cap prevents entrance of rain, snow, debris, and chimneynesting birds.
- Cap snaps on pipe.

Part No.	Description	Dim Size	Price
6TDC	Round topper	6"	\$105
7TDC	Round topper	7"	\$135
8TDC	Round topper	8"	\$155
6TDSA	TDSA Spark Arrester screen only	6"	\$25
7TDSA	TDSA Spark Arrester screen only	7"	\$25
8TDSA	TDSA Spark Arrester screen only	8"	\$25

VENTING PRODUCTS

B-VENT PIPE

RP ROUND PIPE 3" – 12"



- Pipe and Fitting couplers overlap 1 3/8" when joined together, therefore assembled length is 1 3/8" less than listed length.
- The allowable minimum clearance to combustibles is 1" except for 4RPX on which clearance is provided by locking band on pipe.

Part No.	Size	Listed Length	Price
10RP24	10"	24"	\$90
10RP36	10"	36"	\$113
12RP18	12"	18"	\$115
12RP24	12"	24"	\$135
12RP36	12"	36"	\$163
14RP18	14"	18"	\$190
14RP24	14"	24"	\$220
14RP30	14"	30"	\$230
3RP12	3"	12"	\$10
3RP18	3"	18"	\$13
3RP24	3"	24"	\$15
3RP36	3"	36"	\$20
3RP48	3"	48"	\$28
3RP6	3"	6"	\$10
3RP60	3"	60"	\$33
4RP12	4"	12"	\$13
4RP18	4"	18"	\$15
4RP24	4"	24"	\$18
4RP36	4"	36"	\$25
4RP48	4"	48"	\$33
4RP6	4"	6"	\$10
4RP60	4"	60"	\$40
5RP12	5"	12"	\$15
5RP18	5"	18"	\$18
5RP24	5"	24"	\$23
5RP36	5"	36"	\$30
5RP48	5"	48"	\$38
5RP6	5"	6"	\$13
5RP60	5"	60"	\$45
6RP12	6"	12"	\$15
6RP18	6"	18"	\$20
6RP24	6"	24"	\$28
6RP36	6"	36"	\$35
6RP48	6"	48"	\$45
6RP6	6"	6"	\$15
6RP60	6"	60"	\$53
7RP12	7"	12"	\$28
7RP18	7"	18"	\$33
7RP24	7"	24"	\$40
7RP36	7"	36"	\$53
7RP48	7"	48"	\$68
7RP60	7"	60"	\$75
8RP12	8"	12"	\$28
8RP18	8"	18"	\$33
8RP18	10"	18"	\$33
8RP24	8"	24"	\$45
8RP36	8"	36"	\$58
8RP48	8"	48"	\$78
8RP60	8"	60"	\$90

VENTING PRODUCTS

VENTING PRODUCTS

HART & COOLEY

B-VENT PIPE

RP ROUND PIPE 3" – 12"

Part No.	Size	Listed Length	Price
10RP18	10"	18"	\$75

B-VENT ELBOWS

REA90 90° ADJUSTABLE ELBOW



Part No.	Size	Price
3REA90	3"	\$25
4REA90	4"	\$33
5REA90	5"	\$38
6REA90	6"	\$45
7REA90	7"	\$70
8REA90	8"	\$73

REA45 45° ADJUSTABLE ELBOW



Part No.	Size	Price
10REA45	10"	\$108
12REA45	12"	\$133
7REA45	7"	\$43
8REA45	8"	\$43

REA45 45° NON-ADJUSTABLE ELBOW



Part No.	Size	Price
14RE45	14"	\$205

REA60 60°/45° ADJUSTABLE ELBOW



Part No.	Size	Price
3REA60	3"	\$20
4REA60	4"	\$20
5REA60	5"	\$23
6REA60	6"	\$28

B-VENT ADAPTERS

RAA MALE ADAPTER



- Adapts other brands of B-Vent to Hart & Cooley vent (theirs-to-ours).

Part No.	Size	Price
3RAA	3"	\$13
4RAA	4"	\$15
5RAA	5"	\$18
6RAA	6"	\$20
7RAA	7"	\$35
8RAA	8"	\$38

VENTING PRODUCTS

HART & COOLEY

B-VENT ADAPTERS

RRA FEMALE ADAPTER

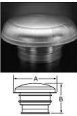


• Adapts other brands of B-Vent to Hart & Cooley vent (theirs-to-ours).

Part No.	Size	Price
3RRA	3"	\$15
4RRA	4"	\$20
5RRA	5"	\$20
6RRA	6"	\$25

B-VENT CAPS & INCREASERS

RC CAP 14" THROUGH 24"



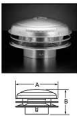
Part No.	Size	Price
14RC	14"	\$205

RHW METAL CAP (HIGH WIND)



Part No.	Size	Price
3RHW	3"	\$15
4RHW	4"	\$18
5RHW	5"	\$23
6RHW	6"	\$28

RM CAP 7" THROUGH 12"



• Barriers provided in cap opening spaced less than 1" are designed to resist entry of birds.

Part No.	Size	Price
10RM	10"	\$110
12RM	12"	\$150
7RM	7"	\$38
8RM	8"	\$50

RN INCREASER



Part No.	Size	Price
3RN4	3" to 4"	\$23
4RN5	4" to 5"	\$23
4RN6	4" to 6"	\$25
4RN7	4" to 7"	\$33
5RN6	5" to 6"	\$25
6RN8	6" to 8"	\$35
7RN8	7" to 8"	\$35
8RN10	8" to 10"	\$68
3RN5	3" to 5"	\$25

VENTING PRODUCTS

HART & COOLEY

B-VENT PIPE

RPA ADJUSTABLE LENGTH PIPE



Part No.	Size	Listed Length	Price
3RPA	3"	12"	\$13
4RPA	4"	12"	\$15
5RPA	5"	12"	\$15
6RPA	6"	12"	\$18
7RPA	7"	12"	\$35
8RPA	8"	12"	\$35
10RPA	10"	18"	\$83
12RPA	12"	18"	\$115
14RPA	14"	18"	\$213

B-VENT FIRESTOP, THIMBLE, CHIMNEY HOUSING

RWB WALL BRACKET



Part No.	Size	Price
10RWB	10"	\$13
12RWB	12"	\$13
6RWB	6"	\$10
7RWB	7"	\$13
8RWB	8"	\$13
14RWB	14"	\$13

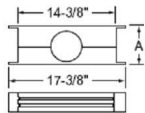
RWT WALL THIMBLE



Part No.	Size	Price
3RWT	3"	\$15
4RWT	4"	\$15
5RWT	5"	\$18
6RWT	6"	\$20
7RWT	7"	\$28
8RWT	8"	\$35

TYPE B ROUND GAS VENT PIPE & FITTINGS

RFS* FIRESTOP SPACER



- Fits 2x6 wall.
- Available in 4"only.
- For Other firestops see installation instructions.

Part No.	Size	Price
4RFS	4"	\$15

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HART & COOLEY

B-VENT ROOF FLASHINGS

RF ADJUSTABLE ROOF FLASHING

FLAT-6/12



Part No.	Size	Price
12RF	12"	\$55
3RF	3"	\$10
5RF	5"	\$18
6RF	6"	\$25
7RF	7"	\$33
8RF	8"	\$35
10RF	10"	\$45
14RF	14"	\$100

RFA ADJUSTABLE ROOF FLASHING

6/12-12/12



• Available in 3"-8"

Part No.	Size	Price
3RFA	3"	\$35
4RFA	4"	\$33
5RFA	5"	\$33
6RFA	6"	\$43
7RFA	7"	\$73
8RFA	8"	\$83

RSA SUPPORT ASSEMBLY 3" THROUGH 24"



Part No.	Size	Price
10RSA	10"	\$35
12RSA	12"	\$45
10RSA	10"	\$35
14RSA	14"	\$53
3RSA	3"	\$13
4RSA	4"	\$15
5RSA	5"	\$18
6RSA	6"	\$20
6RSA	6"	\$20
6RSA	6"	\$20
7RSA	7"	\$23
8RSA	8"	\$25

RTF TALL CONE ROOF FLASHING



Part No.	Size	Price
10RTF	10"	\$60
3RTF	3"	\$23
4RTF	4"	\$23
6RTF	6"	\$38
7RTF	7"	\$43
8RTF	8"	\$48
12RTF	12"	\$68
14RTF	14"	\$120

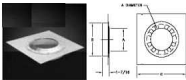
VENTING PRODUCTS

VENTING PRODUCTS

HART & COOLEY

B-VENT SUPPORT & COLLARS

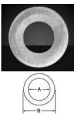
RGS SUPPORT 3" THROUGH 6"



- Supports 30 feet of pipe.
- Acts as a firestop.

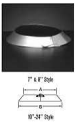
Part No.	Size	Price
3RGS	3"	\$15
4RGS	4"	\$20
5RGS	5"	\$23
6RGS	6"	\$23

RPC PIPE COLLAR 3" THROUGH 8"



Part No.	Size	Price
3RPC	3"	\$5
4RPC	4"	\$5
5RPC	5"	\$5
6RPC	6"	\$5
7RPC	7"	\$8
8RPC	8"	\$8

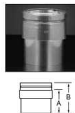
STORM COLLARS



Part No.	Size	Price
10RS	10"	\$10
12RS	12"	\$18
5RS	5"	\$8
5RS	5"	\$8
6RS	6"	\$8
7RS	7"	\$8
8RS	8"	\$8
14RS	14"	\$23
3RS	3"	\$3
4RS	4"	\$3

B-VENT TEE & WYES

RDH DRAFT HOOD CONNECTOR



Part No.	Price
10RDH	\$25
3RDH	\$8
4RDH	\$10
5RDH	\$10
6RDH	\$13
7RDH	\$15
8RDH	\$18
12RDH	\$28
14RDH	\$65

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B-VENT TEE & WYES

RT TEE



Part No.	Size	Price
10RT10	10"x10"x10"	\$185
14RT14	14"x14"x14"	\$393
3RT3	3"x3"x3"	\$38
4RT4	4"x4"x4"	\$38
5RT3	5"x5"x3"	\$50
6RT6	6"x6"x6"	\$53
7RT7	7"x7"x7"	\$65
8RT8	8"x8"x8"	\$73

RTC TEE CAP



Part No.	Dia Size	Price
10RTC	10"	\$18
3RTC	3"	\$5
4RTC	4"	\$3
5RTC	5"	\$5
6RTC	6"	\$5
7RTC	7"	\$8
8RTC	8"	\$10
12RTC	12"	\$25
14RTC	14"	\$55

RYF WYES



Size		
Part No.	Size	Price
4RYF43	4" x 4" x 3"	\$45
6RYF43	6" x 4" x 3"	\$68

VENTING PRODUCTS

VENTING PRODUCTS

FIELD CONTROLS LLC

DRAFT CONTROLS

TYPE M+MG2



Solid, Oil or Gas Commercial/Industrial This is a series of compact, rugged, heavy-duty controls for use on large residential, commercial, and industrial applications. The Field Type M+MG2 Draft Control provides precise draft regulations for solid fuels, oil, gas, or oil/gas appliances requiring only the simplest, on-the-job adjustments depending on which fuel is to be utilized. In a gas installation, the double-acting Type M+MG2 is specified instead of a draft hood to give the appliance the assistance of the chimney. In a dual fuel oil/gas or a gas-fired only application, use the M+MG2 as a double acting draft control with the optional Field Thermal Switch accessory. Use the M+MG2 as a single acting draft control for oil or solid fuel applications. For any installation with 10" or larger diameter smoke pipe, specify our standard M+MG2 Draft Control, the unit that can be adapted to any fuel. The moving part (gate) rests on a long, thin, stainless steel knife edge which, in turn, is supported by self-aligning and self-cleaning bearings. When the heavy gauge gate moves, only the knife edge rests on the bearing for minimum friction and maximum sensitivity to draft changes.

Part No	Control Size	Nominal Capacity Sq In	Dia	Circum	Price
10M+MG2	10"	78.5	9 - 10	28 1/4 to 31 1/2	\$308

TYPE MG-1

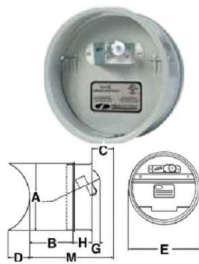


A double-acting control for gas-fired furnaces and boilers is widely used for conversion burner installations, gas draft-induced appliance operation with mechanical draft inducers or sidewall power venters. It is also recommended for use on gas atmospheric appliances where a draft hood cannot be installed, and can improve combustion stability and draft on many gas atmospheric installations with venting problems.

The MG-1 provides precise, accurate control of drafts at levels higher than permitted by a standard draft diverter which is a frequent requirement with gas. Because it is double-acting, it opens out to relieve positive vent system pressures as low as .001". Draft adjustments using weights are simple and accurate from .01" to .1".

Part No	Size	Nominal Capacity Sq In	Dia	Price
6MG1	6"	28.3	6"	\$133

TYPE RC



Oil or Coal - Residential and Commercial

The Field RC is furnished as standard equipment on many leading brands of oil or coal-fired heating equipment. It is calibrated to allow for easy adjustment to the furnace or boiler manufacturer's specifications. Designed for settings from .02" to .08", this control is so sensitive that instrumentation should be used when adjusting the unit during installation.

Part No	Size	Nominal Capacity Sq In	Dia	Price
5RC	5"	19.6	5"	\$60
6RC	6"	19.6	6"	\$53
8RC	8"	19.6	8"	\$103

VENTING PRODUCTS

TJERNLUND PRODUCTS INC

ACCESSORIES FOR DUCT BOOSTERS & HIGH PRESSURE FANS



Part No.	Description	Price
PS2501	Pressurestat Adjustable Differential Air Switch	\$185

DUCT BOOSTER FANS



Your Best Value for boosting air flow in ducts or for powered air intakes and exhausts. Residential and Commercial Sizes. Quality construction, Economically priced.

- Boosts air flow in hard to heat or cool rooms.
- Models for ducts 5" through 14".
- Models EF-6 through EF-14 may be used as exhaust or air intake fans.
- Easy installation in both metal and flex duct.
- Optional speed and Duct Airstat operating controls.
- Quiet, smooth operation.

Commercial/ Residential • Duct Booster Fan • Out Door Air Supply • Lunch Room Exhauster • Pole Barn Warehouse Exhaust • Spot Ventilation • Bathroom Exhaust • Fume Control systems

Duct Length In Feet						
Part No.	Description	25 Feet CFM	50 Feet CFM	75 Feet CFM	Free Air CFM	Price
EF-6	120V-30 Watt-.40A	150	100	90	180	\$103
EF-8	120V-56 Watt-1.1A	300	250	200	325	\$140

FAN PROVING SWITCH DESIGNED FOR TJERNLUND AUTO-DRAFT INDUCERS



Electric									
Part No.	Switch	Connectors	Control Set Point	Maximum Pressure	Mounting Position	Dimensions	Weight	Finish	Price
PS1505	SPST	#6-32 screw terminals with cup washer	Nonadjustable	1/2 psi	Diaphragm vertical	5" diam., 5 1/2" across mounting bracket, 3" high	1 Lb. 2 oz.	Zinc plated steel	\$163

VENTING PRODUCTS

VENTING PRODUCTS

TJERNLUND PRODUCTS INC

GAS SIDE WALL POWER VENTERS

HS-SERIES



HS Series Commercial Models: HS3, HS4, HS5

Used for Side wall venting commercial natural gas or LP fired equipment including: boilers, water heaters and unit heaters. All models feature the new UC1 Universal Control and a diaphragm Fan Proving Switch safety interlock which will shut down heating equipment if a venting malfunction occurs. UC1 Universal Control features include; adjustable pre and post-purge settings, LED Status/diagnostic indicators, Fan Prover switch monitoring. Interlocks with any 24-120 VAC burner control circuit and also includes "dry" contact actuation option. Easily interlock multiple appliances with our MAC-Series multiple appliance controls. Allows for a significant reduction in vent pipe diameter to save on costly materials and labor. Built-in adjustable damper also allows regulation for maximum combustion efficiency.

HS Series Models: HS1, HS2

Used for Side wall venting residential/light commercial natural gas, LP or oil fired equipment including: Furnaces, boilers, water heaters and unit heaters. All models feature the new UC1 Universal Control and a diaphragm Fan Proving Switch safety interlock which will shut down the heating equipment if a venting malfunction occurs. Built-in adjustable damper also allows regulation for maximum combustion efficiency. UC1 Universal Control features include; adjustable pre and post-purge settings, LED Status/diagnostic indicators, Fan Prover switch monitoring. Interlocks with any 24-120 VAC burner control circuit and also includes "dry" contact actuation option. Easily interlock multiple appliances with our MAC-Series multiple appliance controls..

Max Pipe Length

Table is based on straight vent pipe. 90 degree elbows are equivalent to 10 feet of straight vent pipe, 45 degree elbows are equivalent to 5 feet of straight vent pipe. Tjernlund Commercial Power Vent Systems include all necessary actuation, operation and safety controls. Tjernlund's Fixed & Variable Speed Specified Systems are also available with virtually unlimited capacities. *A SPDT motor relay must be added for use with the UC1 Universal Control.

Part No.	Vent Pipe Dia	Max Pipe Length (Feet) At Stack Temp			CFM AT 70 degrees F (Static Pressure)				Price
		Gas Fired 300 F	Gas Fired 400 F	Oil Fired 500 F	0"	50"	75"	10"	
HS1	6"	100', 100', 100', 30'	100', 100', 92', ---	100', 100'	158	115	95	12	\$668
HS2	8"	100', 100', 100', 100', 100', 67'	100', 100', 100', 100'	100', 100', 100'	286	235	215	196	\$960
HS-3	8"								\$1,593
HS-4	10"								\$2,290
HSJ	4"	100', 100', 100', 35'	100', 100', 100', 23'	100', 100'	110	85	67	10	\$638

GAS WATER HEATER INTERLOCK KITS

MILLIVOLT INTERLOCK KIT



The WHK-2 is used to interlock a millivolt controlled water heater of up to 120,000 BTU/hr with a Power Venters (Gas, Oil) or Draft Inducer. Kit includes: Gas Solenoid Valve and Linear Limit Switch safety interlock to provide 100% safety shut down if a venting malfunction occurs, Gas Pressure Switch, Post Purge Timer/Relay and Control Cables necessary for interlock.

NOTE: The WHK-2 is not compatible with the UC1 Universal Control or MAC1E & MAC4E Multiple Appliance Controls.

Part No.	BTU/hr	Price
WHK-2	120,000	\$578

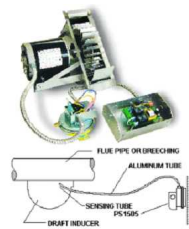
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TJERNLUND PRODUCTS INC

IN-LINE DRAFT INDUCER VERTICAL VENT SYSTEMS FOR ALL FUELS



Solves Venting Problems Caused By Typical Applications

• Undersized Chimneys • Boilers/Furnaces • Negative Pressures • Water Heaters • Long Horizontal Vent Connectors • Modular Boiler Systems • Down Drafts • Multiple Appliances • Cold Equipment Starts • Bakery Ovens • Restrictive Heat Exchangers/Combustion chambers • Factory Processes

Tjernlund In-Line Draft Inducers assure positive draft when restricted boilers and furnaces, poor chimneys or negative pressures in buildings prevent proper exhaust of combustion gases. The venturi action starts air moving up the stack instantly & keeps it moving smoothly. These units are quick and easy to install and completely automatic in operation. In-Line Draft Inducers are built for long-lasting, trouble-free service and available in sizes and capacities to meet virtually all heating system requirements. The Vari-Draft control permits adjustment to individual job requirements. Vents/Chimneys utilizing In-Line Draft Inducers must be vertically terminated above the roof line.

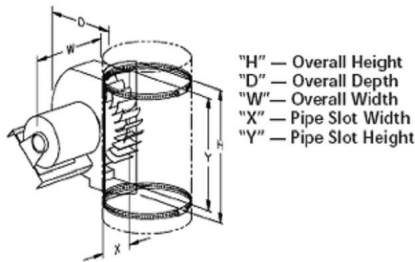
Part No.	Pipe Size IN	Gas Firing With Bar Draft Control		Oil Firing With Bar Draft Control		Electrical Data						
		3900F Flue Gas SP	3900F Flue Gas CFM	5300F Flue Gas SP	5300F Flue Gas CFM	Volt	HZ	RPM	Watts	AMP	Therprot	Price
D-3	5,6,7,8	.085, .090, .085, .075	166, 190, 166, 110	.092, .093, .080, .065	163,, 169, 118, 65	115	60	1550	74	.96	YES	\$348
DJ-3	3, 4, 5, 6	.047, .053, .052, .042	36, 55, 52, 17	.048, .057, .052, .035	33, 48, 39, 13	115	60	1550	35	.43	IMP. PROT.	\$265
I	8, 9, 10, 12	.143, .150, .145, .115	603, 653, 615, 357	.147, .148, .136, .100	566, 566, 440, 211	115	60	1725	1/4HP	5.4	YES	\$840

IMPORTANT: Vents/Chimneys utilizing In-Line Draft Inducers must be vertically terminated above the roof line. Do not use for side wall venting. Consult factory for proper Gas or Oil Side Wall Vent options. Tjernlund's Fixed & Variable Speed Specified Systems are also available with virtually unlimited capacities.

NOTE:

Inputs shown above are believed to be maximum capacities for inducers, when mounted on pipe sizes shown for ordinary jobs where a moderate amount of mechanical induced draft is required. Consideration is given to typically higher static pressure requirements for larger installations, for the type of fuel burned, and for the type of draft control installed. Some ratings may only be valid for extremely short vent lengths due to excessive pressure loss; i.e. the Model IL gas firing with draft hood in 10" pipe at 2,080,000 BTU/hr. Where pressure requirements are unknown, or believed to be unusually severe, ask for complete performance curves or consult factory. Draft Inducers should be installed in single wall vent pipe to assure proper performance.

MODEL DIMENSIONS



"H" — Overall Height
"D" — Overall Depth
"W" — Overall Width
"X" — Pipe Slot Width
"Y" — Pipe Slot Height

Model	Unit Dimensions (In.)			Slot		Ship Weight
	H	W	D	X	Y	
DJ-3	7 1/2	8 1/2	5 7/8	2 5/8	7 5/8	8 Lbs
D-3	9 1/8	9 1/2	7	3 1/8	8 5/8	10 Lbs
I	14 1/2	13 1/2	8 3/4	4	12 3/4	31 Lbs
IL	17	14 3/4	10	4 1/8	15	34 Lbs
XL	18 7/8	18 1/2	10 1/2	5 1/8	16 3/4	53 Lbs
HD	27 1/2	16 3/4	25	6	24 1/2	176 Lbs

MAC1E & MAC4E MULTIPLE APPLIANCE CONTROLS

MAC1E MULTIPLE APPLIANCE CONTROL



Used in conjunction with the UC1 Universal Control to easily interlock up to one additional 24 VAC , 115 VAC or millivolt controlled appliance with Fixed Speed Auto-Draft Inducer , Power Venters (Gas, Oil), Draft Inducers, or In-forcers. It activates the Venter through its connections to the UC1 and in turn relies on the UC1 Fan Prover safety circuit (P1 & P2) to allow its interlocked appliances to operate. Any pre/post-purge settings on the UC1 will be defaulted to the MAC1E. The MAC1E puts an end to difficult and costly job site wiring nightmares. Circuit board housed in oversized 18 gauge electrical box with multiple knock-outs for easy wiring connections.

Part No.	Description	Price
MAC1E	Multiple Appliance Control	\$233

VENTING PRODUCTS

TJERNLUND PRODUCTS INC

MAC1E & MAC4E MULTIPLE APPLIANCE CONTROLS

MAC4E MULTIPLE APPLIANCE CONTROL



Used in conjunction with the UC1 Universal Control to easily interlock up to 4 additional 24 VAC, 115 VAC or millivolt controlled appliances with Fixed Speed Auto-Draft Inducers, Power Venters (Gas, Oil), Draft Inducers, or In-forcers. It activates the Venter through its connections to the UC1 and in turn relies on the UC1 Fan Prover safety circuit (P1 & P2) to allow its interlocked appliances to operate. Any pre/post-purge settings on the UC1 will be defaulted to the MAC4E. The MAC4E puts an end to difficult and costly job site wiring nightmares. Circuit board housed in oversized 18 gauge electrical box with multiple knock-outs for easy wiring connections.

Part No.	Description	Price
MAC4E	Multiple Appliance Control	\$668

SIDE WALL VENT SYSTEMS



Part No.	Description	Price
SS2	SIDESHOT ® Oil & Gas Vent System	\$1,285

UC1 UNIVERSAL CONTROL



The UC1 is the new standard interlock control for Tjernlund's full line of Fixed Speed Power Venters, Draft Inducers and Combustion Air In-Forcers. It can be interlocked with virtually any burner control circuit. Features include: adjustable pre & post purge, LED status / diagnostic indicators, 10 second prover switch delay to avoid burner start up and wind induced short cycling. Interlocks with any 24-120 VAC burner control circuit and also includes "dry" contact actuation option. Selectable voltage eliminates false activation by burner control circuits. After each burner cycle the UC1 will continue to operate in post-purge mode to allow the venter to purge the heater and vent of residual flue gases. A factory post-purge time is set at 2 minutes and is adjustable up to 16 minutes.

Part No.	Description	Price
UC1	Standard Interlock Control	\$268

VH1 SERIES VENT HOODS



Features: • Heavy gauge galvanized steel frame construction. • Welded with 1/2" thick H.R.S. bars 8" on center. • Shipped fully assembled **Options:** • 3/4" CRS Burglar Bars. • 4" or 6" on center spacing. • Flex duct collars.

Part No.	Dia	Price
VH1-3	3"	\$165
VH1-4	4"	\$205
VH1-6	6"	\$220
VH1-8	8"	\$588

Z-FLEX

ALL FUEL CHIMNEY LINER KITS

PELLET, OIL & GAS KIT



Stainless Steel liner kit for oil, gas, pellet, and wood. Available in 5", 6", 7", 8" diameters. Kit must be insulated for wood burning applications. Larger diameters available upon request.

Part No.	Description	Dia	Length	Price
02OILKTX05-25	Pellet, Oil & Gas Kit	5"	25'	\$760
02OILKTX05-35	Pellet, Oil & Gas Kit	5"	35'	\$1,040
02OILKTX06-25	Pellet, Oil & Gas Kit	6"	25'	\$863
02OILKTX06-35	Pellet, Oil & Gas Kit	6"	35'	\$1,180
02OILKTX07-25	Pellet, Oil & Gas Kit	7"	25'	\$1,005
02OILKTX08-35	Pellet, Oil & Gas Kit	8"	35'	\$1,515

VENTING PRODUCTS

Z-FLEX

ALL FUEL CHIMNEY LINER KITS

NOSE CONE



Used to snake flexible chimney liner down chimney.

Part No.	Description	Dia	Price
02NCXXX03	Nose Cone	3"	\$40
02NCXXX04	Nose Cone	4"	\$43
02NCXXX05	Nose Cone	5"	\$43
02NCXXX06	Nose Cone	6"	\$45
02NCXXX07	Nose Cone	7"	\$45
02NCXXX08	Nose Cone	8"	\$48

GAS CHIMNEY LINER KITS

ALUMINUM LINER KIT



Kit Includes :
• 2-Ply Aluminum Liner • Chimney Flashing • Rain Cap • Mortar Collar • 3 Screws

Part No.	Description	Dia	Length	Price
02GACKIT03-35	Aluminum Liner Kit	3"	35'	\$215
02GACKIT04-25	Aluminum Liner Kit	4"	25'	\$165
02GACKIT04-35	Aluminum Liner Kit	4"	35'	\$198
02GACKIT05-25	Aluminum Liner Kit	5"	25'	\$183
02GACKIT05-35	Aluminum Liner Kit	5"	35'	\$223
02GACKIT05-50	Aluminum Liner Kit	5"	50'	\$383
02GACKIT06-25	Aluminum Liner Kit	6"	25'	\$228
02GACKIT06-35	Aluminum Liner Kit	6"	35'	\$290
02GACKIT06-50	Aluminum Liner Kit	6"	50'	\$478
02GACKIT07-25	Aluminum Liner Kit	7"	25'	\$360
02GACKIT07-35	Aluminum Liner Kit	7"	35'	\$433
02GACKIT08-25	Aluminum Liner Kit	8"	25'	\$370

ADDITIONAL LENGTH OF SINGLE-VENT



Part No.	Description	Dia	Length	Price
02GAXXXX04-10	Additional Length of Single-Vent	4"	10'	\$75
02GAXXXX05-10	Additional Length of Single-Vent	5"	10'	\$95
02GAXXXX06-10	Additional Length of Single-Vent	6"	10'	\$115
02GAXXXX07-10	Additional Length of Single-Vent	7"	10'	\$133
02GAXXXX08-10	Additional Length of Single-Vent	8"	10'	\$153

B-VENT CONNECTOR



Part No.	Description	Dia	Price
02CNNBFC05	B-Vent Connector	5"	\$60
02CNNBFC06	B-Vent Connector	6"	\$73
02CNNBFC07	B-Vent Connector	7"	\$68

LINER COUPLING



Part No.	Description	Dia	Price
02CNNTRG03	Liner Coupling	3"	\$15
02CNNTRG04	Liner Coupling	4"	\$18
02CNNTRG05	Liner Coupling	5"	\$18
02CNNTRG06	Liner Coupling	6"	\$23
02CNNTRG07	Liner Coupling	7"	\$23
02CNNTRG08	Liner Coupling	8"	\$25

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