

Jain Irrigation Inc.
World Leader in Irrigation Technology

www.jainsusa.com

Landscape Customer Service

Phone 559.485.7171
Fax 888.434.3747

Western Manufacturing Facility
2851 E Florence Ave
Fresno, CA 93721

Eastern Manufacturing Facility
3777 East State Road 544
Haines City, Florida 33845

© 2017 Jain Irrigation, Inc.
All rights reserved.

 Please recycle after use.



JAIN
LANDSCAPE CATALOG



Jain Irrigation, Inc. is a manufacturer of quality drip and micro irrigation products for the agricultural, turf, greenhouse, nursery, industrial, and landscape markets. We have been a leader in the industry for over 30 years, offering the widest selection of water conserving micro-irrigation products. Today, Jain Irrigation is one of the few manufacturers that provides complete system solutions to the customers we serve.



Each of our products is manufactured with an effort to conserve our earth's most

valuable resources while focusing on the future. This is the legacy of a deliberate and conscious effort that comes from a deep-rooted concern for nature. Every team player at Jain Irrigation is hired knowing that our goal is to achieve continued growth through sustained innovation for total customer satisfaction. We meet this objective by producing quality products, and hiring and training our team to be the most educated industry leaders you will work with. Last, but not least, we continuously invest in state of the art capital to ensure our manufactured products bring quality, value, and dependability to the industries we serve.

The products inside are the result of large efforts to create top quality landscape products that will enhance your drip irrigation system. When you specify and use Jain Landscape products, you are getting the best products in the industry.

To learn more about how Jain is leaving this world better than we found it, please visit:

www.jainsusa.com

Kern Lawn Borders - Kernville, CA



Table of Contents

Emitterline and Fittings	6
TOTAL CV Emitterline	7
TOTAL CV Emitterline (Reclaimed)	10
Mini-Pepline	11
17 mm Insert Fittings	12
Power Loc Fittings.....	13
Compression Fittings	15
1/4" - 1/8" Irrigation Fittings.....	18
Supply Tubing	20
Supply Tubing Comparison Chart.....	21
PE (Polyethylene).....	22
PE (Polyethylene - Reclaimed)	23
1/4" - 1/8" Tubing	24
Flexible PVC (IPS)	25
Swing Pipe.....	26
Bubbler Tubing	27
Emission Devices	31
Emission Device Comparison Chart	31
Octa Bubbler	33
Quadra Bubbler	35
QB2.....	36
ClickTif	37
Ceta Emitters	42
Micro Flapper	43
Jain Turbo Emitter	39
Jain Turbo PC Emitter.....	40
Flag Emitter	44
Turbulent Flow Adjustable Emitter.....	45
Mini In-line Emitter.....	46
Jain Bubbler.....	47
Shrubber.....	48
Mini-Bubblers.....	49
Spectrum Vortex Sprayer.....	50
Aqua Jet	51
Rotor Spray.....	52
Vari-Jet and Vari-Rotor Spray	53
Aqua Spray Stick	54
Micro Sprinkler Stakes	55
Rigid Risers and Riser Assemblies	57
Micro-Pop	58

Valves	60
Irrigation Control Valve	61
Shut Off Valves	62
Automatic Air Relief Flush Valve	63
Flush Valves.....	65
Filtration and Pressure Regulation	68
Filter Kits.....	69
Inline Pressure Regulators	70
Pressure Regulators.....	71
Jain Super Flow Screen Filters.....	72
Spin Clean Screen Filters.....	73
Replacement Screen Filters	76
Accessories and Tools	78
Staples and Tubing Stakes	79
Air Vents.....	80
Shrub and Threaded Adapters	81
FlexStrap Tree Ties and Tube Ends.....	82
Pressure Gauges	83
Bubbler Box.....	83
Tubing Support Clamps	85
Hole Punches.....	86
Technical Data	87
Index	93
Product Warranty	99
Terms and Conditions	100
Notes	101





Emitterline and Fittings

TOTAL CV Emitterline.....	7
TOTAL CV Reclaimed	10
Mini-Pepline.....	11
17 mm Insert Fittings.....	12
Power Loc Fittings.....	13
Compression Fittings.....	15
1/4" - 1/8" Irrigation Fittings.....	18



TOTAL CV EMITTERLINE

Product Features

- Patented Cascade Labyrinth Technology reduces chance of clogging
- Root Barrier- prevents roots and debris from entering line
- UV Resistant
- Silicone diaphragm (molded - not cut)
- 10 year manufacturer warranty

Specifications

- Compensation Range: 14-60 PSI
- Check Valve opening pressure: 14 PSI
- Check Valve closing pressure: 3.7 PSI
- Flow Rates: .29, .42, .53 and 1.0 GPH
- Emitter spacing: 12", 18"
- Recommended Minimum Filtration: 120 mesh



17 mm TOTAL CV



700 x 600 Total CV

Related Products



ALTEE
72291024



700-AP8
72290018



Amnon Emitter Technology

- Patented Cascade Labyrinth Technology reduces chance of clogging
- Physical Root Barrier prevents roots and debris from entering line
- Hydrodynamic emitter design ensures continuous flushing of sediments and small dirt particles
- Silicone diaphragm (molded - not cut)



Amnon Emitters

Specification Builder

Part #	Model #	Emitter Spacing	Flow Rate	Coil Length (ft)	Pallet Quantity
17mm TOTAL CV Emitterline .53 GPH Flow (.660" OD x .560" ID)					
71591201	CV1758-12-10B	12"	0.53 GPH	100	60
71591204	CV1758-12-25B			250	48
71591207	CV1758-12-50B			500	24
71591210	CV1758-12-100B			1000	14
71591213	CV1758-18-10B	18"	0.53 GPH	100	60
71591216	CV1758-18-25B			250	48
71591219	CV1758-18-50B			500	24
71591222	CV1758-18-100B			1000	14
17mm TOTAL CV Emitterline 1.0 GPH Flow (.660" OD X .560" ID)					
71591301	CV1710-12-10B	12"	1.0 GPH	100	60
71591304	CV1710-12-25B			250	48
71591307	CV1710-12-50B			500	24
71591310	CV1710-12-100B			1000	14
71591313	CV1710-18-10B	18"	1.0 GPH	100	60
71591316	CV1710-18-25B			250	48
71591319	CV1710-18-50B			500	24
71591322	CV1710-18-100B			1000	14

17mm TOTAL CV Supply Tubing (brown with no emitters)

71200503	660X560-100PEB	TOTAL Brown PE .660" x .560", .045" wall - 100 FT	100	60
71200504	660X560-250PEB	TOTAL Brown PE .660" x .560", .045" wall - 250 FT	250	48
71200505	660X560-500PEB	TOTAL Brown PE .660" x .560", .045" wall - 500 FT	500	24

700 x 600 TOTAL CV Emitterline 0.53 GPH Flow (Black)

71500740	CV6758-12-10	12"	0.53 GPH	100	60
71500741	CV6758-12-50			500	24
71500742	CV6758-12-100			1000	24
71500803	CV6758-18-10	18"	0.53 GPH	100	60
71500804	CV6758-18-50			500	24

700 x 600 TOTAL CV Emitterline 1.0 GPH Flow (Black)

71500890	CV6710-12-10	12"	1.0 GPH	100	60
71500921	CV6710-12-50			500	24
71500805	CV6710-18-10	18"	1.0 GPH	100	60
71500922	CV6710-18-50			500	24

Note: 1.0 GPH 24", 36" and 48" spacing available on an MTO basis.



TOTAL CV EMITTERLINE (RECLAIMED)

Product Features

- Patented Cascade Labyrinth Technology reduces chance of clogging
- Purple stripes for easy reclaimed water identification
- Root Barrier- prevents roots and debris from entering line
- UV Resistant
- Silicone diaphragm (molded - not cut)
- 10 year manufacturer warranty



TOTAL CV (Reclaimed)

Specifications

- Suitable for Sub-Surface Drip Installations (SSDI)
- Compensation Range: 14-60 PSI
- Flow Rates: .42, .53, and 1.0 GPH
- Spacing: 12", 18"
- Recommended Minimum Filtration: 120 mesh



Related Products



PL-55-PST-WW
72050302



PL-55-BV-SSP-1
72050323

Specification Builder

Part #	Model #	Emitter Spacing	Flow Rate	Coil Length	Pallet Quantity
17mm TOTAL CV RECLAIMED Emitterline .42 GPH Flow (.660" OD x .560" ID)					
71581108	TR1742-12-50NP	12"	.42 GPH	500'	24
71581111	TR1742-12-100NP			1000'	14
71581120	TR1742-18-50NP	18"	.42 GPH	500'	24
71581023	TR1742-18-100NP			1000'	14
17mm TOTAL CV RECLAIMED Emitterline .53 GPH Flow (.660" OD x .560" ID)					
71581208	TR1758-12-50NP	12"	.53 GPH	500'	24
71581211	TR1758-12-100NP			1000'	14
71581220	TR1758-18-50NP	18"	.53 GPH	500'	24
71581223	TR1758-18-100NP			1000'	14
17mm TOTAL CV RECLAIMED Emitterline 1.0 GPH Flow (.660" OD x .560" ID)					
71581308	TR1710-12-50NP	12"	1.0 GPH	500'	24
71581311	TR1710-12-100NP			1000'	14
71581320	TR1710-18-50NP	18"	1.0 GPH	500'	24
71581323	TR1710-18-100NP			1000'	14

Note: 1.0 GPH 24", 36" and 48" spacing available on an MTO basis.

MINI PEPLINE EMITTERLINE

Product Features

- 6" or 12" spacing available
- Uses standard 1/4" barbed fittings
- Patented Cascade Labyrinth Technology reduces chance of clogging
- Root Barrier prevents roots and debris from entering line
- Hydrodynamic emitter design ensures continuous flushing of sediments and small particles
- UV Resistant

Specifications

- Size: .250" OD x .170" ID - 1/4"
- Wall thickness: .040"
- Filtration requirements: 150 mesh
- Emitter flow rate: .5 GPH (nominal at 10 PSI)
- Coil lengths: 100', 500' and 1000'



MINI-PEPLINE, BROWN



MINI-PEPLINE, BLACK



Maximum Run Lengths @ 20 PSI	
Emitter Spacing	Emitter Flow Rate (GPH)
	.5
6" Spacing	19'
12" Spacing	33'

17MM INSERT FITTINGS

Product Features

- For connecting emitterline and polyethylene tubing
- Use with 17mm emitterline and blank tubing
- Economical one piece construction
- UV resistant high impact plastic

Specifications

- Secure and easy installation without glue or clamps
- Operating pressure: up to 50 PSI

Related Products



LFV17
12060717



S-7
72500527



ALELB
72291022

AL075MA
72291011

ALTEE
72291024

ALCOUP
72291013

AL050MA
72291010

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72291013	ALCOUP	17mm Insert Coupling	25	3000
72291010	AL050MA	17mm Insert x 1/2" MPT Adapter	25	300
72291011	AL075MA	17mm Insert x 3/4" MPT Adapter	25	300
72291024	ALTEE	17mm Barbed Tee	25	1400
72291022	ALELB	17mm Insert Elbow	25	2500



Specification Builder

Part #	Model #	Description	Box	Pallet
Mini Pepline - 1/4" Turbulent Flow Emitterline in Black				
71500023	PM0406100	Black Mini Pepline , 6" Spacing, 100' Coil	20	380
71500025	PM0412100	Black Mini Pepline , 12" Spacing, 100' Coil	20	380
71500861	PM0406500	Black Mini Pepline , 6" Spacing, 500' Coil	2	72
71500862	PM0412500	Black Mini Pepline , 12" Spacing, 500' Coil	2	72
71500867	PM04061000	Black Mini Pepline , 6" Spacing, 1000' Coil	1	36
Mini Pepline - 1/4" Turbulent Flow Emitterline in Brown				
71500880	PM0406100B	Brown Mini Pepline , 6" Spacing, 100' Coil	20	380
71500881	PM0412100B	Brown Mini Pepline , 12" Spacing, 100' Coil	20	380
71500865	PM0406500B	Brown Mini Pepline , 6" Spacing, 500' Coil	2	72
71500866	PM0412500B	Brown Mini Pepline , 12" Spacing, 500' Coil	2	72
71500868	PM04061000B	Brown Mini Pepline , 6" Spacing, 1000' Coil	1	36

POWER LOC FITTINGS

Product Features

- Positive stop to assure tubing is fully installed
- Low effort, square thread drive ring quickly locks in place, no tools needed
- Barb design ensures tubing will not slip out or blow off at high pressure and temperature
- To connect Total CV and polyethylene supply tubing
- Completely reusable
- One fitting fits multiple tubing sizes reducing inventory

Specifications

- For use with 16 mm, 17 mm and 18mm tubing
- Use PL-55 Series with 700 X 600 Tubing
- Materials: Glass Reinforced Polypropylene
- Operating pressure: up to 60 PSI
- For use with 1/2" tubing size - .520 ID to .620 ID

Power Loc Series Number	Acceptable I.D.		Acceptable Wall Thickness	
	Inches	Millimeters	Inches	Millimeters
50	0.500 to 0.580	12.7 to 14.7	0.035 to 0.055	0.89 to 1.40
55	0.520 to 0.620	13.2 to 15.7	0.045 to 0.055	1.14 to 1.40
60	0.580 to 0.675	14.7 to 17.1	0.025 to 0.055	0.64 to 1.40
70	0.665 to 0.765	16.9 to 19.4	0.035 to 0.055	0.89 to 1.40
80	0.790 to 0.845	20.1 to 21.5	0.045 to 0.065	1.14 to 1.65
100	1.035 to 1.075	26.3 to 27.3	0.062 to 0.075	1.57 to 1.91



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72050305	PL-55-PC	Power-Loc-55 Coupling	25	400
72050301	PL-55-P3T	Power-Loc-55 Tee	25	150
72050304	PL-55-PELL	Power-Loc-55 Elbow	25	300
72050308	PL-55-P1/2MA	Power-Loc-55 x 1/2" MPT Adapter	25	500
72050317	PL-55-P3/4MA	Power-Loc-55 x 3/4" MPT Adapter	25	500
72050306	PL-55-PETC	Power-Loc-55 with Female Hose Cap	25	500
72050311	PL-55-PMT	Power-Loc-55 x 3/4" MHT	25	500
72050324	PL-55-SSP	Power-Loc-55 x 1/2" Socket / 3/4" Spigot (PVC body)	25	500
72050321	PL-55-SSP1	Power-Loc-55 x 3/4" Socket / 1" Spigot (PVC body)	25	500
72050307	PL-55-PHS-WW	Power-Loc-55 x 3/4" FH Swivel with washer	25	500
72050302	PL-55-PST-WW	Power-Loc-55 x Tee x FH Swivel with washer	25	500
72050312	PL-55-PEF	Power-Loc-55 End Flush Valve	25	500
72050315	PL-55PST-WS	Power-Loc-55 x Tee x FH Swivel w/ screen	25	500
72050316	PL-55-PHS-WS	Power-Loc-55 x Tee x FH Swivel	25	500
72050322	SSP-BV-PL-55	Power-Loc-55 Power-Loc w/ Ball Valve, 1/2" Socket, 3/4" Spigot	25	500
72050323	PL-55-BV-SSP-1	Power-Loc-55 x 3/4" Socket / 1" Spigot w/ Ball Valve	25	500
72050325	PL-55-PPS-WW	Power-Loc-55 x Blue Swivel	25	500
72050314	HV55	Power-Loc-55 w/ Shut-off Valve (.520 through .620 ID PE tubing)	25	500

Installing Power Loc Fittings



Step One: Power Loc fittings come in the locked position, loosen lock nut before sliding tubing on. Slide tubing onto barb, tubing only needs to go over the single barb.



Step Two: Lock tubing into place by rotating the lock nut clockwise. Once the locking nut is tight the connection is ready to be pressurized.

COMPRESSION FITTINGS

Product Features

- Secure and easy installation without glue or clamps
- UV resistant

Specifications

- Operating pressure: up to 60 PSI
- Color coded for series identification



710-CC
72010301

710-CELL
72010307

710-C3T
72010296

710-CHS-WW
72010320

710-CETC
72010365

710-CRMA
72010323



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
600 Series- Green Ends (Fits .620 OD Tubing)				
72010214	600-CC	Series 600 Compression Coupling	25	400
72010210	600-C3T	Series 600 Compression Tee	25	200
72010220	600-CELL	Series 600 Compression Elbow	25	300
72010236	600-CRMA	Series 600 Compression x 3/4" MPT	25	400
12010213	600-CA	Series 600 Compression Adapter	100	3500
72010233	600-CHS-WW	Series 600 Compression Adapter x 3/4" Female Swivel Adapter w/ washer	25	200
12501086	600-CPS-WW	Series 600 Compression Adapter x 3/4" Female Pipe Swivel Adapter w/ washer	25	250
12010244	600-CST-WW	Series 600 Compression Tee x 3/4" FHS	25	300
12010225	600-CELL-SN-WW	Series 600 Compression Elbow & 3/4" FHS	25	400
72010226	600-CETC	Series 600 Threaded Cap End Closure	25	500
700 Series- Black Ends (Fits .700 OD Tubing)				
72010301	700-CC	Series 700 Compression Coupling	25	800
72010296	700-C3T	Series 700 Compression Tee	25	450
72010307	700-CELL	Series 700 Compression Elbow	25	600
72010321	700-CMA	Series 700 Compression x 1/2" MPT	25	400
72010323	700-CRMA	Series 700 Compression x 3/4" MPT	25	400
72010299	700-CA	Series 700 Compression Adapter	100	3500
72010320	700-CHS-WW	Series 700 Compression Adapter x 3/4" Female Swivel Adapter w/ washer	25	400
72500994	700-SA	Series 700 Compression Adapter x 1/2" Socket/ 3/4" Spigot	25	300
72501086	700-CPS-WW	Series 700 Compression Adapter x 3/4" Female Pipe Swivel w/ washer	25	250
12010332	700-CST-WW	Series 700 Compression Tee x 3/4" FHS	25	300
12010312	700-CELL-SN-WW	Series 700 Compression Elbow & 3/4" FHS	25	400
72010313	700-CETC	Series 700 Threaded Cap End Closure	25	500
710 Series- Blue Ends (Fits .710 OD Tubing)				
72010353	710-CC	Series 710 Compression Coupling	25	800
72010348	710-C3T	Series 710 Compression Tee	25	450
72010359	710-CELL	Series 710 Compression Elbow	25	600
72010373	710-CMA	Series 710 Compression x 1/2" MPT	25	400
72010375	710-CRMA	Series 710 Compression x 3/4" MPT	25	400
72010351	710-CA	Series 710 Compression Adapter	100	2000
72010372	710-CHS-WW	Series 710 Compression Adapter x 3/4" Female Swivel Adapter w/ washer	25	400
72500997	710-SA	Series 710 Compression Adapter x 1/2" Socket/ 3/4" Spigot	25	300
72500948	710-CPS-WW	Series 710 Compression Adapter x 3/4" Female Pipe Swivel Adapter w/ washer	25	250
12010364	710-CELL-SN-WW	Series 710 Compression Elbow & 3/4" FHS	25	400
12010384	710-CST-WW	Series 710 Compression Tee x 3/4" FHS	25	300
72010365	710-CETC	Series 710 Threaded Cap End Closure	25	500

COMPRESSION FITTINGS

Product Features

- Secure and easy installation without glue or clamps
- UV resistant
- High impact plastic

Specifications

- Operating pressure: up to 60 PSI
- Fittings will work with all 3/4" hose sizes including .927" x .817", .940" x .820", and .940" x .830"



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72010504	900-CC	Series 900 Compression Coupling	25	400
72010499	900-C3T	Series 900 Compression Tee	25	250
72010511	900-CELL	Series 900 Compression Elbow	25	400
72010523	900-CMA	Series 900 Compression X 3/4" MPT	25	400
72010503	900-CA	Series 900 Compression Adapter	50	1800
72010516	900-CETC	Series 900 Threaded Cap End Closure	25	500
72010521	900-CHS-WW	Series 900 Compression Adapter x 3/4" FH Swivel with Washer	25	500

MICRO IRRIGATION FITTINGS

Product Features

- Secure and easy installation
- UV resistant
- Use with Bubbler Tubing and Mini-Pepline

Specifications

- Operating Pressure: up to 60 PSI



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72290006	C125	1/8" Connector- Barb x Barb, fits .125 ID tubing	100	3000
72501964	C250	1/4" Connector- Barb x Barb, fits .160/.170 ID tubing	100	3000
72500541	T125	1/8" Tee- Barb x Barb x Barb, fits .125 ID tubing	50	2500
72500542	T250	1/4" Tee- Barb x Barb x Barb, fits .160/.170 ID tubing	100	1500
72015079	L250	1/4" Elbow- Barb x Barb, fits .160/.170 ID tubing	100	3000
72290009	170-TB	1/4" Connector, fits .160/.170 ID tubing	100	5000
72500492	PRA1032	Adapter- 10-32 Thread x 10-32 Thread, fits .160 ID tubing	100	3000
72500493	PRAB170	Adapter- Thread x Barb, fits .160 ID tubing	100	3000
72500346	X250	1/4" Cross	50	1000
72500957	PVFVBB	1/4" Barb x 1/4" Barb	100	500
72500397	GP-24	Goof Plug	100	2000
72500286	BA-BUG	Bug Plug	100	2000
72500964	PVJM	Vari-Jet Mister - 360 degree fine spray	100	500



Supply Tubing

Supply Tubing Comparison Chart.....	21
PE Supply Tubing	22
PE Supply Tubing (Reclaimed).....	23
1/4" - 1/8" Tubing.....	24
Flexible PVC (IPS)	25
Swing Pipe.....	26
Bubbler Tubing	27

SUPPLY TUBING COMPARISON CHART

Product	Picture	Size Options	Color Options	Operating Pressure	Material	Usage Options
PE (Polyethylene)		1/2"-1"	Purple Stripe, Yellow Stripe and White Stripe	60 PSI	low density UV resistant polyethylene resin	Above and below ground
Micro Tubing		1/8", 1/4"	vinyl black, PE black	10-60 PSI	LDPE	Use with 1/8" and 1/4" fittings
Flexible PVC (IPS)*		1/2", 3/4"	black	max operating pressure 50 PSI*	non-rigid vinyl	Use in place of rigid PVC
Swing Pipe		1/2"	black	40-65psi	linear low density polyethylene	Use with 1/2" fittings for easy head installation
Bubbler Tubing		1/4"	black	max operating pressure 60PSI	vinyl or polyethylene	Use with Octa Bubbler and Quadra Bubbler

* Be careful when using IPS in above ground conditions as hydro-static can cause minor electric shock.

PE SUPPLY TUBING

Product Features

- May be used above and below ground
- All Jain polyethylene tubing is manufactured using DOW Chemical materials that offer the exclusive Fingerprint™ identification feature and contains a minimum of 2% Carbon Black for UV protection
- 10 year manufacturer warranty

Specifications

- Sizes:
 - .620 OD x .520 ID (16 mm)
 - .700 OD x .600 ID .050 Wall
 - .710 OD x .620 ID (18 mm)
 - .940 OD x .820 ID .060 Wall
 - .940 OD x .830 ID .055 Wall
 - 1.20 OD x 1.06 ID .070 Wall
- Material: Linear low density polyethylene
- 100% DOW virgin resin



PE SUPPLY TUBING 1/2" - 1"

Specification Builder

Part #	Model #	Description	Coil Length	Pallet Quantity
Black Polyethylene Supply Tubing				
71200061	620X520-100PE	Black PE .620" x .520" .050" Wall (16mm)	100'	60
11200064	620X520-500PE		500'	24
11200067	620X520-1000PE		1000'	14
71200002	700X600-100PE	Black PE .700" x .600" .050" Wall	100'	78
71200007	700X600-500PE		500'	24
11200001	700X600-1000PE		1000'	10
71200012	710X620-100PE	Black PE .710" x .620" .045" Wall (18mm)	100'	78
71200017	710X620-500PE		500'	24
11200018	710X620-1000PE		1000'	10
71200041	940X820-100PE	Black PE .940" x .820" .060" Wall	100'	40
71200043	940X820-250PE		250'	20
71200044	940X820-500PE		500'	10
11200138	940X830-500PE	Black PE .940" x .830" .055" Wall	500'	10
11200026	1200X1060-100PE	Black PE 1.20" x 1.06" .070" Wall	100'	10
11200025	1200X1060-660PE		660'	6

* Specialty Supply Tubing Specification Builder on next page.

PE SUPPLY TUBING (RECLAIMED)

Product Features

- May be used above and below ground
- All Jain polyethylene tubing is manufactured using DOW Chemical materials that offer the exclusive Fingerprint™ identification feature and contains a minimum of 2% Carbon Black for UV protection
- 10 year manufacturer warranty

Specifications

- Sizes:
 - .620 OD x .520 ID (16 mm)
 - .700 OD x .600 ID .050 Wall
 - .710 OD x .620 ID (18 mm)
 - .940 OD x .820 ID .060 Wall
 - .940 OD x .830 ID .055 Wall
 - 1.20 OD x 1.06 ID .070 Wall
- Material: Linear low density polyethylene
- 100% DOW virgin resin



710 x 620 - PE with Purple Stripe
71200087

Specification Builder

Part #	Model #	Description	Coil Length	Pallet Quantity
Black Polyethylene Specialty Supply Tubing				
71200098	710x620-500 YELLOW	710 x 620PE with Yellow Stripe	500'	28
71200320	710x620-500 WHITE	710 x 620PE with White Stripe	500'	28
71200048	927X817-500 PE	Black PE .927 x .817 .055" Wall	500'	10
71200099	927X817-500 YELLOW	927 x 817-PE with Yellow Stripe	500'	10
Purple Stripe Supply Tubing				
71200087	710x620-500 PURPLE	710 x 620-PE with Purple Stripe	500'	28
71200089	927X817-500 PURPLE	927 x 817-PE with Purple Stripe	500'	10

1/8"-1/4" SUPPLY TUBING

Product Features

- **PE Micro Tubing**
- Made of low density UV resistant polyethylene resin

- **Vinyl Micro Tubing**
- Made of UV resistant PVC resin material

Specifications

- Sizes:
 - .187" OD x .125" ID - 1/8"
 - .220" OD x .160" ID
 - .250" OD x .170" ID - 1/4"
- Minimum 2% carbon black UV inhibitor



Specification Builder

Part #	Model #	Description	Coil Length	Pallet Qty
PE Micro Tubing				
11190149	187x125-100PE	Black PE .187" x .125" (1/8")	100'	25/900
11190589	187x125-1000PE		1000'	2/72
71190255	220x160-100PE	Black PE .220" x .160" (1/4")	100'	20/720
71190801	220x160-500PE		500'	2/72
71190595	220x160-1000PE		1000'	2/72
71190338	250x170-50PE	Black PE .250" x .170" (1/4")	50'	45/1350
71190334	250x170-100PE		100'	30/900
71190320	250x170-500PE		500'	2/72
71190600	250x170-1000PE		1000'	2/72
Vinyl Micro Tubing				
71190172	187x125-100V	Vinyl Black .187" x .125" (1/8")	100'	25/900
71190151	187x125-500V		500'	2/72
71190591	187x125-1000V		1000'	2/72
71190042	220x160-100V	Vinyl Black .220" x .160" (1/4")	100'	20/720
71190685	220x160-500V		500'	2/72
11190597	220x160-1000V		1000'	2/72
71190355	250x170-50V	Vinyl Black .250" x .170" (1/4")	50'	40/1000
71190351	250x170-100V		100'	15/540
71190636	250x170-500V		500'	2/72
11190602	250x170-1000V		1000'	2/72
71500656	250x160-100V	Vinyl Black Heavy Wall .250" x .160"	100'	15/540
71500657	250x160-1000V		1000'	2/72

FLEXIBLE PVC - IPS TUBING

Product Features

- Available with Algae Barrier to inhibit algae growth
- Makes tight bends without kinks or breakage
- Helps position hard-to-place sprinklers
- UV resistant
- 10 year manufacturer warranty

Specifications

- Sizes:
 - 1/2" .840" OD x .546" ID
 - 3/4" 1.050" OD x .742" ID
- Wall thickness:
 - 1/2" - .147" thick
 - 3/4" - .154" thick
- Maximum working pressure: 50 PSI
- Materials: ASTM D-2287 non-rigid vinyl
- Minimum order for Algae Barrier is 12,000'



FLEXIBLE PVC

Specification Builder

Part #	Model #	Description	Coil Length	Pallet Qty
Flexible PVC (IPS)				
11210008	1/2-IPS-100	1/2" Black IPS Hose, .840" OD x .546" ID	100'	50
11210007	1/2-IPS-200		200'	24
11210061	3/4-IPS-100	3/4" Black IPS Hose, 1.050" OD x .742" ID	100'	36
11210060	3/4-IPS-200		200'	24
Flexible PVC (IPS) - Algae Resistant				
71210201	1/2" ARHF-IPS	1/2" Black Algae Resistant IPS Hose - .840" OD x .546" ID	200'	24
71210064	3/4" ARHF-IPS	3/4" Black Algae Resistant IPS Hose - 1.050" OD x .742" ID	200'	24

SWING PIPE TUBING

Product Features

- Use in place of rigid pipe
- Helps to easily position sprinklers
- UV resistant
- 10 year manufacturer warranty

Specifications

- Softube™
 - Size: .680" OD x .490" ID
- Poly Swing Pipe
 - Size: .690" OD x .490" ID
- Maximum flow: 8 GPM
- Maximum working pressure:
 - Swing Pipe: 125 PSI
 - Softube: 85 PSI
- Material: Linear low density polyethylene



1/2" SOFTUBE

Specification Builder

Part #	Model #	Description	Coil Length	Pallet Qty
Softube - Tore Wrap Packaging				
71230030	680x490-STTW	1/2" Softube	100'	60
Poly Swing Pipe - Tire Wrap Packaging				
71230004	690x490-PETW	1/2" Poly Swing Pipe	100'	60

BUBBLER TUBING

Product Features

- Available in PE or Vinyl
- 1000' roll comes on Starburst Reel
- Works great with Octa-Bubbler and QB2
- For use with 1/4" Micro Irrigation Fittings
- Installation instructions on coil label

Specifications

- Operating pressure: Up to 60 PSI



BUBBLER TUBING, BLACK



Related Products



BBOX645
72500621



OCT896
72500732

Specification Builder

Part #	Model #	Description	Coil Length	Pallet Qty
71500155	BTP-100	100' PE Banded with instructions	100	20
71500156	BTP-1000	1000' PE Bubbler Tubing on Starburst Reel	1000	2
71500158	BTV-100	100' Vinyl Banded with instructions	100	20
71500159	BTV-1000	1000' Vinyl Bubble Tubing on Starburst Reel	1000	2



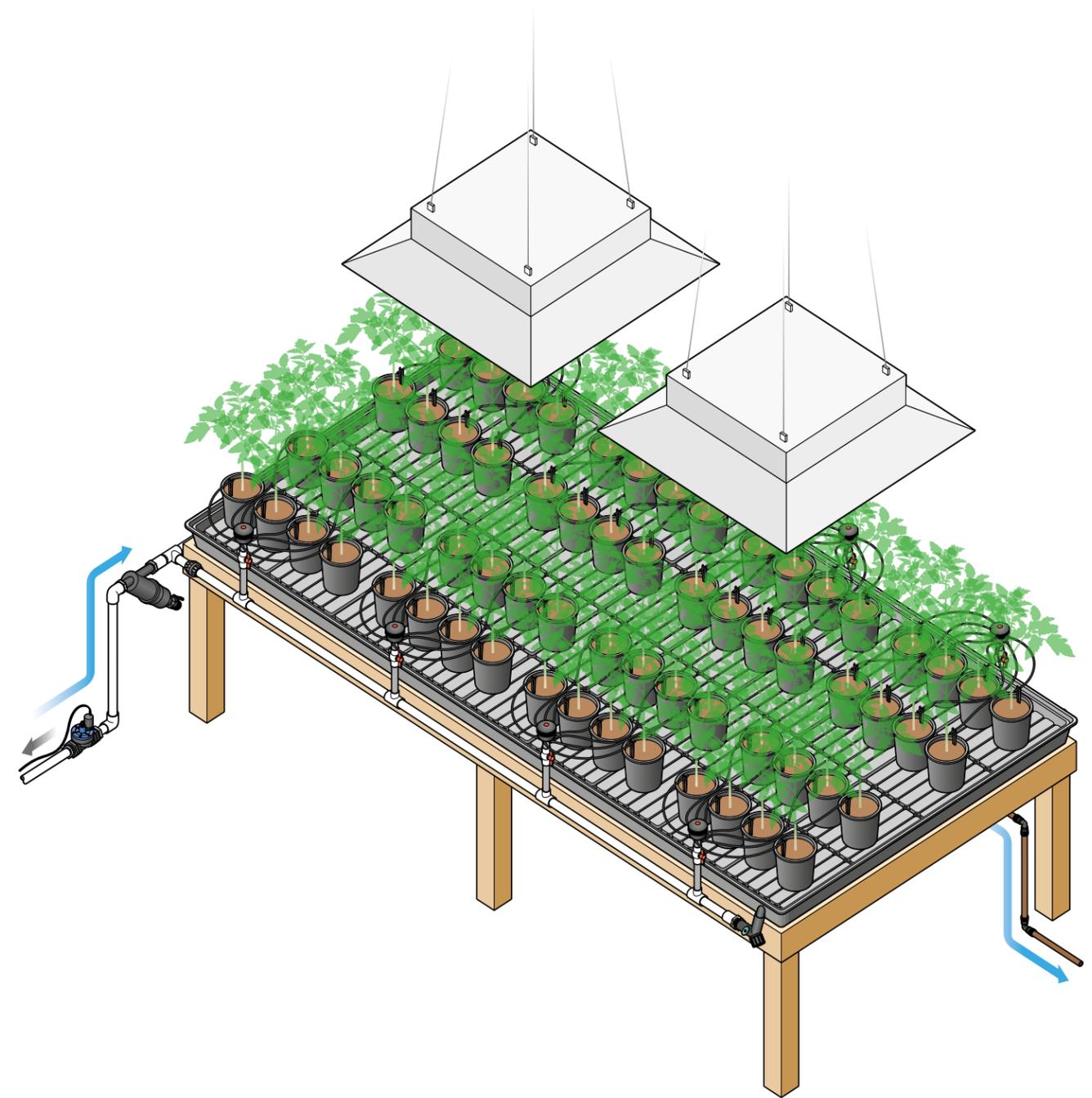


Emission Devices

Emission Device Comparison Chart	31
Octa-Bubbler.....	33
Quadra-Bubbler.....	35
QB2	36
ClickTif	37
Jain Turbo Emitter	39
Jain Turbo PC Plus Emitter	40
Ceta Emitter.....	42
Micro-Flapper.....	43
Flag Emitter.....	44
Turbulent Flow Adjustable Emitter.....	45
Mini In-line Emitter	46
Jain Bubbler	47
Shrubber.....	48
Mini-Bubbler	49
Spectrum Vortex Sprayer.....	50
Aqua Jets	51
Rotor Spray.....	52
Vari Jet and Vari Rotor Spray.....	53
Aqua Spray Stick	54
Micro Sprinkler Stakes.....	55
Rigid Riser and Riser Assemblies.....	57
Micro-Pop.....	58

EMISSION DEVICE COMPARISON CHART

Product		Flow Options	Connection Type	Tubing Size	Applications
Octa-Bubbler		2, 6, 10 and 20 GPH	1/2" FPT	1/4"	Above grade or in Bubbler Box
Quadra-Bubbler and QB2		2, 6, 10 and 20 GPH	1/2" MPT, 1/2" FPT	1/4"	Sparse plantings, small groups of similar plants
Click-Tif		.5, 1, 2 and 3 GPH		1/4"	Pots, planters, ground cover, shrubs and trees
Ceta Emitter		.5, 1 and 2 GPH		1/4"	Pots, planters and longer runs
Micro-Flappers		.5, .75, 1 and 2 GPH		1/4"	Wide spaced plantings
Jain Turbo Emitter		.5, 1, 2 and 3.7 GPH			Wide spaced plantings on flat terrain
Jain Turbo PC Plus		?	?	?	?
Flag Emitters		.5, 1, 2 and 4 GPH		1/4"	Non-uniform or wide spaced plantings
Mini Inline Emitters		.5, 1 and 2 GPH		1/4"	Tree trunks, pots and planters
Adjustable Turbulent Flow Emitter		0-12 GPH			Larger plants, roses and shrubs
J Bubbler Adjustable		max flow 2.9 and 4.5	1/2" FPT		Trees with higher water demands
J-Bubbler PC		.5 and 1 GPM	1/2" FPT		Palms, trees and dense plantings
Adjustable Shrubber		0-13 GPH	1/4" barb, 10-32 Thread, 1/2" FPT		Pots, planter boxes, nursery and landscape gardens
Adjustable Mini Bubblers		0-30 GPH	1/4" barb, 10-32 Thread, 1/2" FPT	1/4"	Pots, planter boxes, nursery and landscape gardens
Spectrum Vortex Sprayer		0-24 GPH	1/4" barb, 10-32 Thread, 1/2" FPT	1/4"	Pots, planter boxes, nursery and landscape gardens



OCTA BUBBLER

Product Features

- Optional plugs for unused ports
- Suitable for retrofitting zones
- Interchangeable color-coded flow control inserts
- For installation above grade, in a Bubbler Box or in a green house

Specifications

- 1/2" FPT inlet port
- Pressure Compensation Range: 20-60 PSI
- Flow rates: 2.0, 6.0, 10.0 and 20.0 GPH
- Minimum filtration - 150 mesh



OCT896
72500732

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Octa-Bubbler - 8 Swivel Ports, Pressure Compensating, 1/2" FPT Inlet, .250" Barbed Outlet				
72500729	OCT816	Octa-Bubbler 2 GPH per outlet, Blue low flow bubbler	10	30
72500731	OCT856	Octa-Bubbler 6 GPH per outlet, Black medium flow bubbler	10	30
72500732	OCT896	Octa-Bubbler 10 GPH per outlet, Red high flow bubbler	10	30
72500730	OCT8186	Octa-Bubbler 20 GPH per outlet, Green extra high flow bubbler	10	30
Octa-Bubbler - Flow Control Devices - Interchangeable Emitters for Octa-Bubbler				
72500623	FCD8160	Octa-Bubbler 2 GPH Flow Control Device - Blue	8	480
72500625	FCD8560	Octa-Bubbler 6 GPH Flow Control Device - Black	8	480
72500970	FCD8960	Octa-Bubbler 10 GPH Flow Control Device - Red	8	480
72500624	FCD8860	Octa-Bubbler 20 GPH Flow Control Device - Green	8	480
Octa-Bubbler - Accessory				
72500619	BA-PP-OB	Port Plugs for Octa-Bubbler	25	2000

Maintenancing an Octa Bubbler



Step One: Remove cap by unscrewing counter clockwise.



Step Two: Remove diaphragm stabilizer and diaphragm.



Step Three: With the diaphragm and stabilizer removed the flow inserts can be replaced.



QUADRA BUBBLER

Product Features

- Color-coded for easy flow rate identification
- Clog Resistant
- Fits standard .170" ID Vinyl or PE tubing

Specifications

- Pressure Compensation Range: 20-60 PSI
- Flow rates: 2.0, 6.0, 10.0 and 20.0 GPH
- Minimum filtration - 150 mesh
- 3/4" MPT inlet



QB496
72500772

QB4186
72500770

QB416
72500769

QB456
72500771

Related Products



BA-PP-QB
72500616

BA-CP-QB2
72500617

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Quadra-Bubbler - 4 Port, Pressure Compensating, 3/4" MPT				
72500769	QB416	Quadra-Bubbler 2 GPH per outlet, Blue low flow bubbler	10	300
72500771	QB456	Quadra-Bubbler 6 GPH per outlet, Black medium flow bubbler	10	300
72500772	QB496	Quadra-Bubbler 10 GPH per outlet, Red high flow bubbler	10	300
72500770	QB4186	Quadra-Bubbler 20 GPH per outlet, Green extra high flow bubbler	10	300
Quadra-Bubbler - Accessories				
72500616	BA-PP-QB	Port Plugs for Quadra-Bubbler and QB2's	25	2000
72500614	BA-CP-QB	Clamp Plate - Locks tubing to Quadra-Bubbler ports	10	300

QB2 BUBBLER

Product Features

- Color-coded for easy flow rate identification
- Clog Resistant
- Fits standard .170" ID Vinyl or PE tubing

Specifications

- Pressure Compensation Range: 20-60 PSI
- Flow rates: 2.0, 6.0, 10.0 and 20.0 GPH
- Minimum filtration - 150 mesh
- QB2 - 1/2" FPT inlet



QB2-186
72500773

QB2-16
72550971



QB2-16P
72503167

Related Products



BA-CP-QB
72500614

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
QB2 - 4-Port, Pressure Compensating, 1/2" MPT				
72550971	QB2-16	QB2 2 GPH per outlet, Blue low flow bubbler	10	200
72500774	QB2-56	QB2 6 GPH per outlet, Black medium flow bubbler	10	200
72500775	QB2-96	QB2 10 GPH per outlet, Red high flow bubbler	10	200
72500773	QB2-186	QB2 20 GPH per outlet, Green extra high flow bubbler	10	200
QB2 - 4-Port, Pressure Compensating, 1/2" FPT inlet (Purple Base)				
72503167	QB2-16P	QB2 - 2 GPH per Outlet, Blue low flow bubbler (NP)	10	200
72503166	QB2-56P	QB2 - 6 GPH per Outlet, Black medium flow bubbler (NP)	10	200
72503172	QB2-96P	QB2 - 10 GPH per Outlet, Red high flow bubbler (NP)	10	200
72503174	QB2-186P	QB2 - 20 GPH per Outlet, Green extra high flow bubbler (NP)	10	200
QB2 - Accessories				
72500616	BA-PP-QB	Port Plugs for QuadraBubbler and QB2's	25	2000
72500617	BA-CP-QB2	Clamp Plate - Locks tubing to QB2 ports	10	300

CLICK TIF EMITTER

Product Features

- Self-flushing and cleaning
- 1/4" inlet and outlet barb option
- Pressure Compensating

Specifications

- Operating range: 10-40 PSI
- Flow rates: 0.5, 1.0, and 2.0, 3.0 GPH
- Minimum filtration: 150 mesh
- CNL - Check valve No Leak



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
PC Check Non Leak (CNL) Model - Brown Housing				
12503455	CTTPC2-CNL	0.5 GPH, brown, taper	100	1000
12503460	CTTPC4-CNL	1.0 GPH, black, taper	100	1000
12503470	CTTPC8-CNL	2.0 GPH, green, taper	100	1000
12503475	CTTPC12-CNL	3.0 GPH, red, taper	100	1000
12503555	CTBPC2-CNL	0.5 GPH, brown, barb	100	1000
12503560	CTBPC4-CNL	1.0 GPH, black, barb	100	1000
32020455	CTTPC2-CNL-BULK	0.5 GPH, brown, taper, BULK	-	4000
32020460	CTTPC4-CNL-BULK	1.0 GPH, black, taper, BULK	-	4000
32020470	CTTPC8-CNL-BULK	2.0 GPH, green, taper, BULK	-	4000
32020475	CTTPC12-CNL-BULK	3.0 GPH, red, taper, BULK	-	4000
32020555	CTBPC2-CNL-BULK	0.5 GPH, brown, barb, BULK	-	4000
32020560	CTBPC4-CNL-BULK	1.0 GPH, black, barb, BULK	-	4000

Part #	Model #	Description	Bag Qty	Box Qty
HD PC Check Non Leak (CNL) Model - Dark Grey Housing				
12503205	CTHDT2-CNL	0.5 GPH, brown, taper	100	1000
12503208	CTHDT3-CNL	0.5 GPH, blue, taper	100	1000
12503210	CTHDT4-CNL	1.0 GPH, black, taper	100	1000
12503215	CTHDT8-CNL	2.0 GPH, green, taper	100	1000
12503220	CTHDT12-CNL	3.0 GPH, red, taper	100	1000
12503255	CTHDB2-CNL	0.5 GPH, brown, barb	100	1000
12503260	CTHDB4-CNL	1.0 GPH, black, barb	100	1000
32021205	CTHDT2-CNL-BULK	0.5 GPH, brown, taper, BULK	-	4000
32021208	CTHDT3-CNL-BULK	0.8 GPH, blue, taper, BULK	-	4000
32021210	CTHDT4-CNL-BULK	1.0 GPH, black, taper, BULK	-	4000
32021215	CTHDT8-CNL-BULK	2.0 GPH, green, taper, BULK	-	4000
32021220	CTHDT12-CNL-BULK	3.0 GPH, red, taper, BULK	-	4000
32021255	CTHDB2-CNL-BULK	0.5 GPH, brown, barb, BULK	-	1000
32021260	CTHDB4-CNL-BULK	1.0 GPH, black, barb, BULK	-	1000
PC Model - Black Housing				
12503405	CTTPC2	0.5 GPH, brown, taper	100	1000
12503410	CTTPC4	1.0 GPH, black, taper	100	1000
12503420	CTTPC8	2.0 GPH, green, taper	100	1000
12503505	CTBPC2	0.5 GPH, brown, barb	100	1000
12503510	CTBPC4	0.5 GPH, black, barb	100	1000
32020405	CTTPC2-BULK	0.5 GPH, brown, taper, BULK	-	4000
32020410	CTTPC4-BULK	1.0 GPH, black, taper, BULK	-	4000
32020420	CTTPC8-BULK	2.0 GPH, green, taper, BULK	-	4000
32020505	CTBPC2-BULK	0.5 GPH, brown, barb, BULK	-	4000
32020515	CTBPC4-BULK	0.5 GPH, black, barb, BULK	-	4000



JAIN TURBO EMITTER

Product Features

- Take-apart for easy inspection and cleaning
- Color-coded for easy flow rate identification
- Cross shaped inlet acts as a filter
- 1/4" inlet barb
- Turbulent Flow: flow varies with pressure fluctuation

Specifications

- Operating range: 15-50 PSI
- Flow rates: 0.5, 1.0, and 2.0 GPH, and 3.7 GPH at 15 PSI
- Minimum filtration: 150 mesh



JE04
72500561



JE08
72500562

Related Products



POP125
72500491

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500560	JE02	Jain Emitter 0.5 GPH - Yellow	50	1500
72500561	JE04	Jain Emitter 1.0 GPH - Black	50	1500
72500562	JE08	Jain Emitter 2.0 GPH - Blue	50	1500
72500563	JE16	Jain Emitter 3.7 GPH - Green	50	1500

JAIN TURBO PC PLUS EMITTER

Product Features

- Self Piercing Barb
- Pressure Compensating
- Color coded for easy flow identification

Specifications

- Operating range: 15-50 PSI
- Flow rates available : 0.5, 1.0, 2.0, 4.0 and 6.0 gph at 15 PSI
- Minimum filtration: 150 mesh



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
		.5 GPH Take-Apart Emitter (Red)	25	1000
		1 GPH Take-Apart Emitter (Black)	25	1000
		2 GPH Take-Apart Emitter (Blue)	25	1000
		4 GPH Take-Apart Emitter (Beige)	25	1000
		6 GPH Take-Apart Emitter (Orange)	25	1000



CETA PC EMITTER

Product Features

- Color-coded for easy flow rate identification
- Pressure Compensating
- 1/4" inlet and outlet barb
- Self-flushing action with insect baffle to minimize blockage
- Take-apart design for easy inspection and cleaning

Specifications

- Operating range: 15-50 PSI
- Flow rates available : 0.5, 1.0, and 2.0 GPH
- Minimum filtration: 150 mesh



Take-Apart for easy inspection and cleaning



CETAPC04
72500826



CETAPC08
72500827



CETAPC02
72500825

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500825	CETAPC02	CETA Emitter 0.5 GPH - Red	100	1500
72500826	CETAPC04	CETA Emitter 1.0 GPH - Black	100	1500
72500827	CETAPC08	CETA Emitter 2.0 GPH - Green	100	1500



MICRO FLAPPER EMITTER

Product Features

- Low profile - resists damage and leakage
- Uniform flow rates
- Color-coded for easy flow identification
- Angled configuration allows water to drip off emitter and eliminates supply tubing run down

Specifications

- Operating range: 10-60 PSI
- Flow rates: 0.5, .75, 1.0 and 2.0 GPH
- Minimum filtration: 150 mesh



MF-1/2
72501103



MF-3/4
72501104



MF-2
72501106



MF-1
72501105

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72501103	MF-1/2	MicroFlappers® 0.50 GPH-Brown, 1/4" Barb x 1/8 Barb Outlet	100	1000
72501104	MF-3/4	MicroFlappers® 0.75 GPH-Gray, 1/4" Barb x 1/8 Barb Outlet	100	1000
72501105	MF-1	MicroFlappers® 1.0 GPH-Black, 1/4" Barb x 1/8 Barb Outlet	100	1000
72501106	MF-2	MicroFlappers® 2.0 GPH-Green, 1/4" Barb x 1/8 Barb Outlet	100	1000

FLAG EMITTER

Product Features

- Color-coded for easy flow rate identification
- Latching hook prevents emitter from coming apart during pressurization
- Self-piercing single barb installation
- Turbulent Flow: flow varies with pressure fluctuation

Specifications

- Operating range: 10-50 PSI
- Flow rates: 0.5, 1.0, 2.0, and 4.0 GPH
- Minimum filtration: 150 mesh



JL04
72500746



JL02
72500753



JL16
72500750



JL08
72500748



Take-Apart for easy maintenance

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500753	JL02	Flag Emitter 0.5 GPH - Yellow	100	2000
72500746	JL04	Flag Emitter 1.0 GPH - Black	100	2000
72500748	JL08	Flag Emitter 2.0 GPH - Blue	100	2000
72500750	JL16	Flag Emitter 4.0 GPH - Green	100	2000

ADJUSTABLE TURBULENT FLOW EMITTER

Product Features

- Ideal for customizing water use by plant type and growth stage
- Turbulent flow keeps water near emitter for consistent distribution
- Self-piercing barb for tool-less installation

Specifications

- Operating Pressure: 10-30 PSI
- Flow Rate: 0-12 GPH
- 1/4" Barbed Inlet



TF-A
72015071

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72015071	TF-A	TF-A - Adjustable 0 - 12 GPH, 1/4" inlet	100	500



MINI INLINE EMITTER

Product Features

- Double sided barbs for in-line installation
- Color coded for easy flow identification
- Turbulent flow design reduces clogging
- Turbulent Flow (non pressure compensating)
- Water drips from body of emitter

Specifications

- Operating range: 10-30 PSI
- Flow rates: 0.5, 1.0 and 2.0 GPH
- Minimum filtration: 150 mesh



MIL02
72500566



MIL04
72500567



MIL08
72500568

Related Products



BTP-100
71500155

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500566	MIL02	Mini Inline™ Emitter - 0.5 GPH - Yellow, 1/4" Barbed	100	1500
72500567	MIL04	Mini Inline™ Emitter - 1.0 GPH - Black, 1/4" Barbed	50	1500
72500568	MIL08	Mini Inline™ Emitter - 2.0 GPH - Blue, 1/4" Barbed	100	1500

JAIN BUBBLER

Product Features

Jain Bubbler PC

- Simple durable design
- Inlet filter screen to prevent clogging

Jain Bubbler Adjustable

- Umbrella pattern
- Phillips head screw for easy flow adjustment

Specifications

- 1/2" FPT inlet port
- Operating range: 15-45 PSI
- Minimum filtration: 150 mesh
- Flow rates: 0.5 GPM (30 GPH) and 1.0GPM (60 GPH)
- Flow rates JBAFP: Up to 2.9 GPM (at 43 PSI)
- Flow rates JBAF: Up to 4.5 GPM (at 43 PSI)



JBAF
72500584



JBPC02
72500581



JBAFP
72500583

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Jain Bubbler - Pressure Compensating Umbrella Spray Bubbler with Cone Screen				
72500581	JBPC02	Jain Bubbler PC - .50 GPM (30 GPH) with 1/2" FPT	25	300
72500582	JBPC04	Jain Bubbler PC - 1.0 GPM (60 GPH) with 1/2" FPT	25	300
Jain Bubbler Adjustable - Umbrella Spray Bubbler with Cone Screen				
72500583	JBAFP	Flood Bubbler, 1/2" FPT, Max Flow 2.9 GPM @ 43 PSI	25	300
72500584	JBAF	Screw Adjust Bubbler, 1/2" FPT, Max Flow 4.5 GPM @ 43 PSI	25	300



SHRUBBLER BUBBLER

Product Features

- Adjustable radius control
- Available as 1/4" barb, 10-32 threads, 5" spike, and 1/2" FPT
- Click adjustment from off to full flow
- Take-apart feature provides easy inspection and cleaning

Specifications

- Operating range: 15-30 PSI
- Shrubbler Flow 360° and 180°: 0 to 13 GPH
- Shrubbler diameter up to 3 feet at 30 PSI
- Recommended filtration: 150 mesh



PVJS8B
72503121



PVJS8T
72503122



PVJS8R
72500602



PVJS8S
72503125

Fully Open Performance

Pressure	Spectrum Sprayer		180° Shrubbler		360° Shrubbler		360° Mini Bubbler	
Adjustable Shrubbler								
PSI	Flow (GPH)	Diameter	Flow (GPH)	Diameter	Flow (GPH)	Diameter	Flow (GPH)	Diameter
15	17.3	9.4	8.7	1.2	8.7	1.2	27.0	0.7
20	19.8	11.2	10.3	1.5	10.3	1.9	30.1	1.1
30	24.3	13.3	13.0	2.0	13.0	3.0	35.0	1.9

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72503121	PVJS8B	Adjustable Shrubbler , Full Circle, 8 - Stream, 0 - 13 GPH, 1/4" Barb	25	500
72503123	PVJS4B	Adjustable Shrubbler , Half Circle, 4 - Stream, 0 - 13 GPH, 1/4" Barb	25	500
72503122	PVJS8T	Adjustable Shrubbler , Full Circle, 8 - Stream, 0 - 13 GPH, 10-32 Thread	25	500
72503124	PVJS4T	Adjustable Shrubbler , Half Circle, 4 - Stream, 0 - 13 GPH, 10-32 Thread	25	500
72500602	PVJS8R	Adjustable Shrubbler , Full Circle, 8 - Stream, 0 - 13 GPH, 1/2" FPT Adapter	25	250
72500601	PVJS4R	Adjustable Shrubbler , Half Circle, 4 - Stream, 0 - 13 GPH, 1/2" FPT Adapter	25	250
72503125	PVJS8S	Adjustable Shrubbler , Full Circle, 8 - Stream, 0 - 13 GPH, 5" Spike with 1/4" Barb	25	250
72500924	PVJS4S	Adjustable Shrubbler , Half Circle, 4 - Stream, 0 - 13 GPH, 5" Spike with 1/4" Barb	25	250

MINI-BUBBLER

Product Features

- Adjustable radius control
- Available as 1/4" barb, 10-32 thread, 5" spike and 1/2" FPT & 5" Spike with 1/4" barb

Specifications

- Operating range: 15-30 PSI
- Mini-Bubbler flow at 360°: 0 to 35 GPH
- Mini-Bubbler diameter up to 1.9 feet at 30 PSI
- Recommended filtration: 150 mesh



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72503126	PVMBB	Adjustable Mini-Bubbler , 360° Full Circle, 0 - 30 GPH, 1/4" Barb	25	500
72503127	PVMBT	Adjustable Mini-Bubbler , 360° Full Circle, 0 - 30 GPH, 10-32 Thread	25	500
72500603	PVMBR	Adjustable Mini-Bubbler , 360° Full Circle, 0 - 30 GPH, 1/2" FPT Adapter	25	500
72015008	PVMB	Adjustable Mini-Bubbler , 360° Full Circle, 0 - 30 GPH, 5" Spike with 1/4" Barb	25	500



SPECTRUM VORTEX SPRAYER

Product Features

- Easy finger-tip control for flow/radius adjustment
- Available as 1/4" barb, 10-32 thread, 5" spike and 1/2" FPT & 5" Spike with 1/4" barb

Specifications

- Operating range: 15-30 PSI
- Flow Vortex Sprayer: 0 to 24 GPH
- Spectrum Vortex Sprayer diameter: up to 4.5 feet at 30 PSI
- Recommended filtration: 150 mesh



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72015009	PVS360B	Adjustable Vortex Sprayer , 360° Full Circle, 0 - 24 GPH, 1/4" Barb	25	500
72015010	PVS360T	Adjustable Vortex Sprayer , 360° Full Circle, 0 - 24 GPH, 10-32 Thread	25	500
72015012	PVS360R	Adjustable Vortex Sprayer , 360° Full Circle, 0 - 24 GPH, 1/2" FPT Adapter	25	250
72015011	PVS360S	Adjustable Vortex Sprayer , 360° Full Circle, 0 - 24 GPH, 5" Spike with 1/4" Barb	25	250

AQUA JETS

Product Features

- Color coded nozzles for flow identification
- One-piece construction
- Easy installation

Specifications

- Operating range: 15-30 PSI
- 10-32 threads
- Available in .030", .040", .050", .060" orifice with 90°, 180°, and 300° patterns
- Recommended filtration: 150 mesh



Flow vs Pressure				
Pressure (PSI)	Flow (GPH)			
	.030"	.040"	.050"	.060"
15	5.0	8.9	15.3	21.6
20	6.0	10.4	16.7	24.0
25	6.8	11.7	19.5	27.4
30	7.3	12.6	21.6	30.5

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
12503128	AJ-300-B	Aqua-Jet 0.030" Black Orifice, 7.3 GPH, 300° Pattern	100	2000
12500797	AJ-300-BL	Aqua-Jet 0.040" Blue Orifice, 12.6 GPH, 300° Pattern	100	2000
12503118	AJ-300-GR	Aqua-Jet 0.050" Green Orifice, 21.6 GPH, 300° Pattern	100	2000
12500800	AJ-300-R	Aqua-Jet 0.060" Red Orifice, 30.5 GPH, 300° Pattern	100	2000
12500794	AJ-180-B	Aqua-Jet 0.030" Black Orifice, 7.3 GPH, 180° Pattern	100	2000
12500798	AJ-180-BL	Aqua-Jet 0.040" Blue Orifice, 12.6 GPH, 180° Pattern	100	2000
12503119	AJ-180-GR	Aqua-Jet 0.050" Green Orifice, 21.6 GPH, 180° Pattern	100	2000
12500801	AJ-180-R	Aqua-Jet 0.060" Red Orifice, 30.5 GPH, 180° Pattern	100	2000
12500796	AJ-090-B	Aqua-Jet 0.030" Black Orifice, 7.3 GPH, 90° Pattern	100	2000
12500799	AJ-090-BL	Aqua-Jet 0.040" Blue Orifice, 12.6 GPH, 90° Pattern	100	2000
12503120	AJ-090-GR	Aqua-Jet 0.050" Green Orifice, 21.6 GPH, 90° Pattern	100	2000
12500802	AJ-090-R	Aqua-Jet 0.060" Red Orifice, 30.5 GPH, 90° Pattern	100	2000

ROTOR SPRAY

Product Features

- Choice of four flow rates
- Color-coded sprayer for easy flow rate identification
- Quick-threaded 10-32 thread base for easy installation
- Wetted diameter: between 15 and 27 feet

Specifications

- Operating range: 15-30 PSI
- 10-32 threads
- Available in .030", .040", .050", .060" orifice with 90°, 180°, and 300° patterns
- Recommended filtration: 150 mesh

Color & Orifice Size	Pressure (PSI)	Flow (GPH)	Diameter Throw (Ft.)
Brown 0.035"	15	8.1	15
	20	9.4	17
	25	10.5	17
Blue 0.04"	15	9.8	17
	20	11.7	17
	25	13	17
Green 0.05"	15	16.8	19
	20	19.5	21
	25	22	21
Red 0.06"	15	22.5	23
	20	26.5	23
	25	30	27
	30	33	27



PMS25
72500744



PMS18
72500956

Related Products



SA24B
72501232

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500745	PMS9	Rotor Spray - 9 GPH @ 20 PSI, Brown Orifice, 17' diameter, 10-32 thread	100	500
72500955	PMS12	Rotor Spray - 12 GPH @ 20 PSI, Blue Orifice, 17' diameter, 10-32 thread	100	500
72500956	PMS18	Rotor Spray - 18 GPH @ 20 PSI, Green Orifice, 21' diameter, 10-32 thread	100	500
72500744	PMS25	Rotor Spray - 25 GPH @ 20 PSI, Red Orifice, 13' diameter, 10-32 thread	100	500

VARI JET AND VARI ROTOR SPRAY

Product Features

- Easy flow adjustment with built-in valve
- Single piece construction
- Adjustable flow rates: from 0 to 31 GPH maximum at 30 PSI
- Wetted diameter up to 26 feet

Specifications

- Operating range: 10-30 PSI
- 10-32 thread
- Four different spray patterns: 90°, 180°, 360° and misting
- Recommended filtration: 150 mesh



PVMS25
72500965



PVJ06H
72500962

Minimum Opening Size		Pattern 180° 0.06"	Pattern 90° 0.06"	Pattern 360° 0.02"	Pattern Mist 0.05"
Vari-Jet					
Base & Orifice Size	Pressure (PSI)	Flow (GPH)	Diameter of Throw (Ft.)		Radius of Throw (Ft.)
Standard Base Max 0.06"	25	0-28.8	0-26.7		0-10.1
Mist Base Max 0.014	25	0-6.6	0-2.8		0-9.8

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Vari-Jet				
72500961	PVJ06F	Vari-Jet 360° Circle - .060" orifice, 18 streams	100	500
72500962	PVJ06H	Vari-Jet 180° Circle - .060" orifice	100	500
72500963	PVJ06Q	Vari-Jet 90° Circle - .060" orifice	100	500
72500964	PVJM	Vari-Jet Mister 360° Circle - .014" orifice	100	500
Vari-Rotor Spray - Adjustable Flow Control Mini Sprinkler				
72500965	PVMS25	Adjustable Mini Sprinkler 0-25 GPH with 10-32 thread	25	500

AQUA SPRAY STICK SPRAY

Product Features

- Color-coded for easy flow identification
- One piece construction
- Dual shut-off capabilities
- Down spray and horizontal spray patterns
- Spray direction indicator

Specifications

- Spray stick length: 6"
- Operating range: 15-30 PSI
- Available in .030", .040", .050", .060" orifice in 90°, 160° and 360° patterns
- Recommended filtration: 150 mesh
- For use with 1/8" polyethylene Tubing



AQUA SPRAY STICKS



Related Products



MICRO TUBING

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
12501250	ASBLK-6	Aqua Spray Stick - Black High Flow Down Spray 160°, 15.0 GPH	100	1000
12501251	ASGRN-6	Aqua Spray Stick - Green Medium Flow Down Spray 160°, 11.4 GPH	100	1000
12501252	ASAVCDO-6	Aqua Spray Stick - Avocado Low Flow Down Spray 160°, 6.6 GPH	100	1000
12501253	ASTERCTA-6	Aqua Spray Stick - Terra Cotta Mini Flow Down Spray 160°, 4.2 GPH	100	1000
12501254	ASBRN-6	Aqua Spray Stick - Brown Low Flow Flat Spray 90°, 6.6 GPH	100	1000
12501255	ASGRY-6	Aqua Spray Stick - Gray Mini Flow Flat Spray 90°, 3.0 GPH	100	1000
12501256	ASBLU-6	Aqua Spray Stick - Blue Medium Flow Flat Spray 360°, 10.8 GPH	100	1000

MICRO SPRINKLER STAKES

Product Features

- BSTAKE is ideal for potted plants
- Stake assemblies are available in 6" and 12" models
- Works great in beds and high efficiency applications
- Works with PE and Vinyl tubing
- B-Stake keeps water close for indoor use

Specifications

- 10-32 thread on 6" Stake (72015046)



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72015046	RSTAKE	6" Riser Stake with 10-32 Threaded Outlet	25	250
	BSTAKE			
72500807	PCS12	12" Plastic Stake, Accepts .250" and .307 OD Tubing, PSA1032, and Rigid Risers	25	225
72500966	PSA1032	Snap-in Stake Adapter, 10-32 Female Thread x 1/4" Barb	100	1000
72501232	SA24B	Stake Assembly with 24" PE Tube (.160" x .250") with 1/4" Barb	50	150
72501233	SA24BV	Stake Assembly with 24" Vinyl Tube (.160" x .300") with 1/4" Barb	50	150

RIGID RISER STAKES

Product Features

- Rigid vinyl provides strength for raised emission devices
- Available with 1/4" barb for easy 1/4" tubing conversions

Specifications

- Available in 6", 8", 12" and 18" models
- .300 ID x .160 OD (bundled)



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500969	PRR06	6" Riser - .300" ID x .160" OD	25	500
71195028	PRR08	8" Riser - .300" ID x .160" OD	25	500
71195029	PRR12	12" Riser - .300" ID x .160" OD	25	500
71195030	PRR18	18" Riser - .300" ID x .160" OD	25	500
72500515	PRRAB06	6" Riser - .300" ID x .160" OD with 1/4" Barbed Adapter	25	500
72500516	PRRAB08	8" Riser - .300" ID x .160" OD with 1/4" Barbed Adapter	25	500
72500512	PRRAB12	12" Riser - .300" ID x .160" OD with 1/4" Barbed Adapter	25	500
72500513	PRRAB18	18" Riser - .300" ID x .160" OD with 1/4" Barbed Adapter	25	500

MICRO POP STAKE

Product Features

- Non-rotating vinyl pop-up is ideal for 1/4" conversions in high maintenance landscapes
- Works with Mini-Sprinklers and Aqua-Jets to apply water close to root base
- Rigid vinyl increases strength and durability
- Riser spike assists with tool-less installation

Specifications

- Available in 6" and 9" models:
 - 6" Model has retracted length of 11½"
 - 9" Model has retracted length of 15"
- 1/4" Barbed Inlet



Related Products



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500740	PMP2	9" Riser Stake End and 1/4" Barbed Inlet (Retracted Length 15")	10	30
72500741	PMP3	6" Riser Stake End and 1/4" Barbed Inlet (Retracted Length 11½")	10	30



Valves

Irrigation Control Valves.....	61
Shut Off Valves.....	62
Automatic Air Relief Flush Valve.....	63
Flush Valves.....	65

IRRIGATION CONTROL VALVE

Product Features

- Low head loss at high flow rates
- Smooth valve operation minimizes water hammer
- Flow control handle
- Manual solenoid override

Specifications

- Operating range: 4.5 to 147 PSI
- Flow Range:
 - 3/4" : 2 to 35 GPM
 - 1" : 10 to 40 GPM
 - 1 1/2" : 40 to 130 GPM
 - 2" : 90 to 170 GPM
- Solenoid: 24 VAC (50-60 cycles)
- Inrush current: 4 AMPS
- Holding current: 2 AMPS



61-ET010
14103012



61-ET015
14103017

Specification Builder

Part #	Model #	Description	Box Qty	Pallet Qty
NDJV007-1	14103021	24VAC Plastic Valve NC 3/4" FIPT with Flow Control and Solenoid	20	
NDJV007-2	14103010	110VAC Plastic Valve NC 3/4" FIPT with Flow Control and Solenoid	20	
NDJV007-3	14103005	12VDC Plastic Valve NC 3/4" FIPT with Flow Control and Solenoid	20	
NDJV007-4	14103011	DCL Plastic Valve NC 3/4" FIPT with Flow Control and Solenoid	20	
NDJV010-1	14103012	24VAC Plastic Valve NC 1" FIPT with Flow Control and Solenoid	20	
NDJV010-2	14103013	110VAC Plastic Valve NC 1" FIPT with Flow Control and Solenoid	20	
NDJV010-3	14103006	12VDC Plastic Valve NC 1" FIPT with Flow Control and Solenoid	20	
NDJV010-4	14103014	DCL Plastic Valve NC 1" FIPT with Flow Control and Solenoid	20	
NDJV015-1	14103017	24VAC Plastic Valve NC 1.5" FIPT with Flow Control and Solenoid		
NDJV015-2	14103018	110VAC Plastic Valve NC 1.5" FIPT with Flow Control and Solenoid		
NDJV015-3	14103007	12VDC Plastic Valve NC 1.5" FIPT with Flow Control and Solenoid		
NDJV015-4	14103015	DCL Plastic Valve NC 1.5" FIPT with Flow Control and Solenoid		
NDJV020-1	14103019	24VAC Plastic Valve NC 2" FIPT with Flow Control and Solenoid		
NDJV020-2	14103020	110VAC Plastic Valve NC 2" FIPT with Flow Control and Solenoid		
NDJV020-3	14103008	12VDC Plastic Valve NC 2" FIPT with Flow Control and Solenoid		
NDJV020-4	14103022	DCL Plastic Valve NC 2" FIPT with Flow Control and Solenoid		

Note: Latching coil compatible w Galcon DC controllers. Other models available upon request

SHUTOFF VALVES

Product Features

- **Low Volume Shut Off Valve and PVC Ball Valve**
- Simple on-off operation
- Straight through flow
- Quick 1/4 turn for on and off function

Specifications

- **Low Volume Shut Off Valve**
Operating range: Up to 60 PSI
- **PVC Ball Valve**
 - Operating range: Up to 120 PSI at 170° F
 - Flow Range:
 - 1/2" : 1 to 10 GPM
 - 3/4" : 2 to 17 GPM
 - 1" : 2 to 28 GPM
 - 1 1/2" : 18 to 64 GPM
 - 2" : 20 to 105 GPM



3/4WYE-BLACK
12060024



32-400-010S
12220020



32-400-020S
12220050

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Threaded PVC Ball Valves				
12220100	32-401-005T	1/2" Threaded PVC Ball Valve	1	100
12220110	32-401-007T	3/4" Threaded PVC Ball Valve	1	100
12220120	32-401-010T	1" Threaded PVC Ball Valve	1	50
12220130	32-401-012T	1 1/4" Threaded PVC Ball Valve	1	50
12220140	32-401-015T	1 1/2" Threaded PVC Ball Valve	1	24
12220150	32-401-020T	2" Threaded PVC Ball Valve	1	24
Slip PVC Ball Valves				
12220001	32-400-005S	1/2" Slip PVC Ball Valve	1	100
12220010	32-400-007S	3/4" Slip PVC Ball Valve	1	50
12220020	32-400-010S	1" Slip PVC Ball Valve	1	50
12220030	32-400-012S	1 1/4" Slip PVC Ball Valve	1	24
12220040	32-400-015S	1 1/2" Slip PVC Ball Valve	1	24
12220050	32-400-020S	2" Slip PVC Ball Valve	1	15
Low Volume Shut Off Valve				
12060024	3/4WYE-BLACK	3/4" FHT X 3/4" MHT "Y" Ball Valve	25	250

AUTOMATIC AIR RELIEF-FLUSH VALVE

Product Features

- Combination air relief and flush valve
- Durable, weather resistant, non-corrosive material
- Removable top for diaphragm maintenance
- Protects irrigation system and components
- Reversible high or low flow diaphragm

Specifications

- 17 mm and 1/2" MPT connections available
- Ideal operating pressure range 8-25 PSI
- Use Low Flow side of diaphragm for 2-5 GPM
- Use High Flow side of diaphragm for 5-12 GPM



LFV-17B
12060717

Related Products



BBOX645
72500621

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
12060717	LFV-17B	Lateral Flush Valve, 17mm barbed connection	5	25
12060701	LFV-50NPT	Lateral Flush Valve, 1/2" MPT connection	5	25

Maintenancing an Air Relief Valve



Step One: The valves red locking ring rotates counter clockwise for access to the diaphragm.



Step Two: Once the cap is removed, the diaphragm can be flipped over for different flow applications or removed for cleaning.



FLUSH VALVES

Product Features

- Automatic flushing reduces particulate build-up and promotes system cleanliness
- Flush valve indicates system under pressure

Specifications

- Operating range: 7 to 60 PSI
- 3/4" and Hose Thread:
 - .8 GPM required to close;
 - opens when pressure is below 2 PSI
- 2" MPT Flush Valve:
 - 30 GPM required to close;
 - opens when pressure falls below 7 PSI



FCH-H-FIPT
72060035



FCH-2H
12060008

Related Products



PL-55-P3/4MA
72050317

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72060035	FCH-H-FIPT	Flush Valve 3/4" FPT	50	1200
72060034	FCH-H-FHT	Flush Valve 3/4" FHT	50	1200
12060008	FCH-2H	Flush Valve 2" MPT	1	10





Filters and Pressure Regulation

Filter Kits	69
Inline Pressure Regulators.....	70
Pressure Regulators.....	71
Jain Super Flow Screen Filters.....	72
Spin Clean Screen Filters.....	73
Replacement Screen Filters.....	76

FILTER KITS

Product Features

- Multiple connections types for any specification
- Ideal application: Drip zone conversions

Specifications

- 150 SS Mesh Screen
- 30 PSI and 40 PSI regulation available



FKC-4E-150-40-PL
72131302



FKC-4EH-150-40
72131303

Related Products



61-ET010
14103012



3/4-FHT CAP
12040073

Specification Breakdown

Part #	Description
FKC-4E-150-40-PL	
72130071	3/4" 4E Filter w/150 SS Screen
72100035	3/4" 40 PSI Low Flow Pressure Regulator
72050010	PL-55 with 3/4" MPT
32040056	1"x 3/4" Reducer Bushing
FKC-4EH-150-40	
72130197	1" 4EH Filter w/150 Mesh SS Screen
72100036	1" 40 PSI Medium Flow Pressure Regulator

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72131301	FKR-JF-150-30-PL	3/4" OR 1" Inlet x 3/4" Filter Kit	1	8
72131302	FKC-4E-150-40-PL	3/4" or 1" Inlet x 3/4" Filter Kit	1	8
72131303	FKC-4EH-150-40	1" Commercial Filter Kit	1	8

INLINE PRESSURE REGULATORS

Product Features

- Ideal for installations above and below ground
- Flow rates from 1/3 to 32 GPM
- Pressure Regulation Options: 10, 15, 20, 25, 30, 35, 40 and 50 PSI

Specifications

- Low Flow Regulator:
Flow: 0.1 to 8 GPM
- Medium Flow Regulator:
Flow: 0.5 to 20 GPM



PR-100-M-20
12100053



PR-075-L-30
72100029

Specification Builder

Part #	Model #	Description	Box Qty
Pipe Thread Low Flow Pressure Regulator			
12100039	PR-075-L-06	.5 to 5 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 6 PSI	50
12100017	PR-075-L-10	.5 to 5 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 10 PSI	50
12100020	PR-075-L-12	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 12 PSI	50
12100021	PR-075-L-15	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 15 PSI	50
72100024	PR-075-L-20	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 20 PSI	50
72100027	PR-075-L-25	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 25 PSI	50
72100029	PR-075-L-30	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 30 PSI	50
72100032	PR-075-L-35	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 35 PSI	50
72100034	PR-075-L-40	.1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 40 PSI	50
Pipe Thread Medium Flow Pressure Regulator			
12100018	PR-075-M-10	4 to 16 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 10 PSI	50
12100022	PR-075-M-15	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 15 PSI	50
12100026	PR-075-M-20	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 20 PSI	50
12100028	PR-075-M-25	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 25 PSI	50
12100030	PR-075-M-30	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 30 PSI	50
12100033	PR-075-M-35	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 35 PSI	50
12100035	PR-075-M-40	2 to 20 GPM Pressure Regulator 3/4" FPT x 3/4" FPT 40 PSI	50
12100053	PR-100-M-20	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 20 PSI	50
12100060	PR-100-M-25	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 25 PSI	50
12100031	PR-100-M-30	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 30 PSI	50
12100057	PR-100-M-35	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 35 PSI	50
12100036	PR-100-M-40	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 40 PSI	50
12100059	PR-100-M-50	2 to 20 GPM Pressure Regulator 1" FPT x 1" FPT 50 PSI	50

PRESSURE REGULATORS

Product Features

- Flow rates from .25 to 32 GPM

Specifications

- Low Flow Regulator:
Flow: 0.1 to 8 GPM
- Medium Flow Regulator:
Flow: 0.5 to 20 GPM
- Pressure Range: 20, 25, 30, 35 and 40 PSI



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
Pipe Thread Low/Medium Flow Pressure Regulator				
72500497	PRL20PP	1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" MPT 20 PSI	1	120
72500498	PRL25PP	1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" MPT 25 PSI	1	120
Pipe Thread Low/Medium Flow Pressure Regulator				
72100064	PRP-30	.5 to 15 GPM Pressure Regulator 3/4" FPT x 3/4" MPT 15 PSI	1	50
Pipe Thread Low/Medium Flow Pressure Regulator				
72015063	PRH-15	.5 to 15 GPM Pressure Regulator 3/4" FHT x 3/4" MHT 15 PSI	1	50
72015064	PRH-20	.5 to 15 GPM Pressure Regulator 3/4" FHT x 3/4" MHT 20 PSI	1	50
72015065	PRH-25	.5 to 15 GPM Pressure Regulator 3/4" FHT x 3/4" MHT 25 PSI	1	50
72015066	PRH-30	.5 to 15 GPM Pressure Regulator 3/4" FHT x 3/4" MHT 30 PSI	1	50
72015067	PRH-35	.5 to 15 GPM Pressure Regulator 3/4" FHT x 3/4" MHT 35 PSI	1	50

INLINE FILTER

Product Features

- Provides inline filtration for rotor risers and elevated sprinklers

Specifications

- 3/4" MPT x 3/4" FPT



PIF-3/4
72500488

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500497	PRL20PP	1 to 8 GPM Pressure Regulator 3/4" FPT x 3/4" MPT 20 PSI	1	120

JAIN SUPER FLOW SCREEN FILTERS

Product Features

- Color-coded replacement screens
- Available with cap or flush valve
- Removable screen for easy maintenance
- Available with 3/4" and 1" pipe threads

Specifications

- Operating pressure: up to 85 PSI
- 3/4" flow range: up to 12 GPM
- 1" flow range: up to 30 GPM
- Stainless Steel Filter: 50, 100, 150 and 200 mesh



4E-3/4A-100
72130070

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72130300	JF-075-50	3/4" Screen Filter, with SS 50 Mesh Screen and Flush Cap	1	16
72130301	JF-075-100	3/4" Screen Filter, with SS 100 Mesh Screen and Flush Cap	1	16
72130302	JF-075-150	3/4" Screen Filter, with SS 150 Mesh Screen and Flush Cap	1	16
72130303	JF-075-200	3/4" Screen Filter, with SS 200 Mesh Screen and Flush Cap	1	16
72130304	JF-075-150-N	3/4" Screen Filter with Nylon 150 Mesh Screen and Flush Cap	1	16
72130310	JF-100-50	1" Screen Filter, with SS 50 Mesh Screen and Flush Cap	1	16
72130311	JF-100-100	1" Screen Filter, with SS 100 Mesh Screen and Flush Cap	1	16
72130312	JF-100-150	1" Screen Filter, with SS 150 Mesh Screen and Flush Cap	1	16
72130313	JF-100-200	1" Screen Filter, with SS 200 Mesh Screen and Flush Cap	1	16
72130314	JF-100-150-N	1" Screen Filter, with Nylon 150 Mesh Screen and Flush Cap	1	16

JAIN SPIN CLEAN SCREEN FILTERS

Product Features

- Drilled 1/8" hole for gauge or Schrader valve
- 1½" and 2" feature Sintered Screens
- Debris is concentrated to a collection basin
- Available with ball valve for flushing debris basin
- Color-coded replacements screens
- Removable screen for simple maintenance
- Available with 3/4", 1", 1½" and 2" MPT threads
- Chemical resistant
- Centrifugal action keeps the filter screen clean

Specifications

- Operating pressure:
 - 3/4" and 1" models available in 80 or 150 PSI
 - 1½" and 2" models available at 150 PSI
- Pressure range:
 - 3/4" and 1" models available in 80 or 150 PSI
 - 1½" and 2" models available at 150 PSI
- Flow range:
 - 3/4": up to 9 GPM
 - 1": up to 18 GPM
 - 1½": up to 55 GPM
 - 2": up to 110 GPM
- Temperature range: up to 170° F
- Filtration elements: 30, 50, 100, 150, 200 mesh



4E-3/4B-100
72130076



4EH-3/4A-100
72130110



4EH-3/4B-100
72130115



4EH-2P-100
72130105

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
4EH - 3/4" Plastic Filter with MPT Flush Cap (9 GPM Max)				
72130113	4EH-3/4A-30	Orange - 30 Mesh SS Screen, 3/4" MPT with MPT Flush Cap	1	8
72130114	4EH-3/4A-50	Yellow - 50 Mesh SS Screen, 3/4" MPT with MPT Flush Cap	1	8
72130110	4EH-3/4A-100	Blue - 100 Mesh SS Screen, 3/4" MPT with MPT Flush Cap	1	8
72130111	4EH-3/4A-150	Black - 150 Mesh SS Screen, 3/4" MPT with MPT Flush Cap	1	8
72130112	4EH-3/4A-200	Red - 200 Mesh SS Screen, 3/4" MPT with MPT Flush Cap	1	8
4EH - 3/4" Plastic Filter with MPT Flush Valve (9 GPM Max)				
72130118	4EH-3/4B-30	Orange - 30 Mesh SS Screen, 3/4" MPT with MPT Flush Valve	1	8
72130119	4EH-3/4B-50	Yellow - 50 Mesh SS Screen, 3/4" MPT with MPT Flush Valve	1	8
72130115	4EH-3/4B-100	Blue - 100 Mesh SS Screen, 3/4" MPT with MPT Flush Valve	1	8
72130116	4EH-3/4B-150	Black - 150 Mesh SS Screen, 3/4" MPT with MPT Flush Valve	1	8
72130117	4EH-3/4B-200	Red - 200 Mesh SS Screen, 3/4" MPT with MPT Flush Valve	1	8
4EH - 1" Plastic Filter with MPT Flush Valve (18 GPM Max)				
72130191	4EH-1AN-30	Orange - 30 Mesh SS Screen, 1" MPT with MPT Flush Cap	1	8
72130193	4EH-1AN-50	Yellow - 50 Mesh SS Screen, 1" MPT with MPT Flush Cap	1	8
72130195	4EH-1AN-100	Blue - 100 Mesh SS Screen, 1" MPT with MPT Flush Cap	1	8
72130197	4EH-1AN-150	Black - 150 Mesh SS Screen, 1" MPT with MPT Flush Cap	1	8
72130199	4EH-1AN-200	Red - 200 Mesh SS Screen, 1" MPT with MPT Flush Cap	1	8
4EH - 1" Plastic Filter with MPT Flush Valve (18 GPM Max)				
72130201	4EH-1BN-30	Orange - 30 Mesh SS Screen, 1" MPT with MPT Flush Valve	1	6
72130203	4EH-1BN-50	Yellow - 50 Mesh SS Screen, 1" MPT with MPT Flush Valve	1	6
72130205	4EH-1BN-100	Blue - 100 Mesh SS Screen, 1" MPT with MPT Flush Valve	1	6
72130207	4EH-1BN-150	Black - 150 Mesh SS Screen, 1" MPT with MPT Flush Valve	1	6
72130209	4EH-1BN-200	Red - 200 Mesh SS Screen, 1" MPT with MPT Flush Valve	1	6
4EH - 1½" Plastic Filter with MPT Flush Valve (55 GPM Max)				
72130093	4EH-11/2-30	Orange - 30 Mesh SS Screen, 1½" MPT with MPT Flush Valve	1	1
72130094	4EH-11/2-50	Yellow - 50 Mesh SS Screen, 1½" MPT with MPT Flush Valve	1	1
72130090	4EH-11/2-100	Blue - 100 Mesh SS Screen, 1½" MPT with MPT Flush Valve	1	1
72130091	4EH-11/2-150	Black - 150 Mesh SS Screen, 1½" MPT with MPT Flush Valve	1	1
72130092	4EH-11/2-200	Red - 200 Mesh SS Screen, 1½" MPT with MPT Flush Valve	1	1
4EH - 1" Plastic Filter with MPT Flush Valve (110 GPM Max)				
72130201	4EH-1BN-30	Orange - 30 Mesh SS Screen, 2" MPT with MPT Flush Valve	1	1
72130203	4EH-1BN-50	Yellow - 50 Mesh SS Screen, 2" MPT with MPT Flush Valve	1	1
72130205	4EH-1BN-100	Blue - 100 Mesh SS Screen, 2" MPT with MPT Flush Valve	1	1
72130207	4EH-1BN-150	Black - 150 Mesh SS Screen, 2" MPT with MPT Flush Valve	1	1
72130209	4EH-1BN-200	Red - 200 Mesh SS Screen, 2" MPT with MPT Flush Valve	1	1

SPIN CLEAN SCREEN FILTERS

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
4E Plastic Spin Clean Filters- 80 PSI Working pressure				
72130073	4E-3/4A-30	Orange - 30 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130074	4E-3/4A-50	Yellow - 50 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130070	4E-3/4A-100	Blue - 100 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130071	4E-3/4A-150	Black - 150 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130072	4E-3/4A-200	Red - 200 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
4E Plastic Spin Clean Filters- 80 PSI Working pressure				
72130171	4E-1AN-30	Orange - 30 Mesh SS Screen, 1" MPT MHT Flush Cap	1	8
72130173	4E-1AN-50	Yellow - 50 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	8
72130175	4E-1AN-100	Blue - 100 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	8
72130177	4E-1AN-150	Black - 150 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	8
72130179	4E-1AN-200	Red - 200 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	8
4E - 3/4" Plastic Filter with MHT Flush Valve (9 GPM Max)				
72130079	4E-3/4B-30	Orange - 30 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130080	4E-3/4B-50	Yellow - 50 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130076	4E-3/4B-100	Blue - 100 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130077	4E-3/4B-150	Black - 150 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
72130078	4E-3/4B-200	Red - 200 Mesh SS Screen, 3/4" MPT with MHT Flush Cap	1	8
4E Plastic Spin Clean Filters- 80 PSI Working pressure				
72130171	4E-1BN-30	Orange - 30 Mesh SS Screen, 1" MPT MHT Flush Cap	1	6
72130173	4E-1BN-50	Yellow - 50 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	6
72130175	4E-1BN-100	Blue - 100 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	6
72130177	4E-1BN-150	Black - 150 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	6
72130179	4E-1BN-200	Red - 200 Mesh SS Screen, 1" MPT with MHT Flush Cap	1	6

REPLACEMENT SCREEN FILTERS

Product Features

- Durable stainless steel design
- Color-coded mesh identification
- Jain recommends cleaning filters regularly



REPLACEMENT SCREENS

Specifications

- 3/4", 1", 1 1/2" and 2" replacement filters

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
4E Replacement Filter Screens (3/4" & 1")				
72140035	3/4"&1"-30M	4E Orange - 30 Mesh SS Screen for 3/4" and 1" Filters	1	30
72140036	3/4"&1"-50M	4E Yellow - 50 Mesh SS Screen for 3/4" and 1" Filters	1	30
72140031	3/4"&1"-100M	4E Blue - 100 Mesh SS Screen for 3/4" and 1" Filters	1	30
72140032	3/4"&1"-150M	4E Black - 150 Mesh SS Screen for 3/4" and 1" Filters	1	30
72140034	3/4"&1"-200M	4E Red - 200 Mesh SS Screen for 3/4" and 1" Filters	1	30
4E Replacement Filter Screens (1 1/2" & 2")				
72120017	1 1/2" & 2" - 30M	4E Orange - 30 Mesh SS Screen for 1 1/2" and 2" Filters	1	4
72140049	1 1/2" & 2" - 50M	4E Yellow - 50 Mesh SS Screen for 1 1/2" and 2" Filters	1	4
72140045	1 1/2" & 2" - 100M	4E Blue - 100 Mesh SS Screen for 1 1/2" and 2" Filters	1	4
72140046	1 1/2" & 2" - 150M	4E Black - 150 Mesh SS Screen for 1 1/2" and 2" Filters	1	4
72140047	1 1/2" & 2" - 200M	4E Red - 200 Mesh SS Screen for 1 1/2" and 2" Filters	1	4
Spin Plates				
72140001	3/4-SP	3/4" Spin Plate - 2 Hole (Standard), 9 GPM	1	5
72140002	1-SP	1" Spin Plate - 2 Hole (Standard), 18 GPM	1	10
72140059	1 1/2-SP-2	1 1/2" Spin Plate - 2 Hole, 23-38 GPM	1	1
72140058	1 1/2-SP-3	1 1/2" Spin Plate - 3 Hole, 34-42 GPM	1	1
72140013	1 1/2-SP	1 1/2" Spin Plate - 4 Hole, 45-55 GPM	1	1
72140060	2-SP-2	2" Spin Plate - 2 Hole, 45-55 GPM	1	1
72140061	2-SP-3	2" Spin Plate - 3 Hole, 68-84 GPM	1	1
72140029	2-SP	2" Spin Plate - 4 Hole, 90 - 110 GPM	1	1
Debris Basins				
72140007	1 1/2 & 2-DB-H	1 1/2" & 2" Debris Basin with O-Ring	1	1
72140038	3/4 & 1-DB	3/4" & 1" Debris Basin (80 PSI)	1	2
Filter Wrench				
72140044	1 1/2 & 2-DB-H	Wrench for 1 1/2" & 2" 4E Plastic Filters	1	50
O-Rings				
72140037	3/4" & 1-Ring	O-Ring for 3/4" & 1" 4E Filter	1	500
72140008	1 1/2" & 2 - Ring	O-Ring for 1 1/2" & 2" 4E Filter	1	500



Accessories and Tools

Staples and Tubing Stakes.....	79
Air Vents.....	80
Shrub and Threaded Adapters.....	81
FlexStrap Tree Ties and Tube Ends.....	82
Pressure Gauges.....	83
Bubbler Box.....	83
Tubing Support Clamps.....	85
Hole Punches.....	86

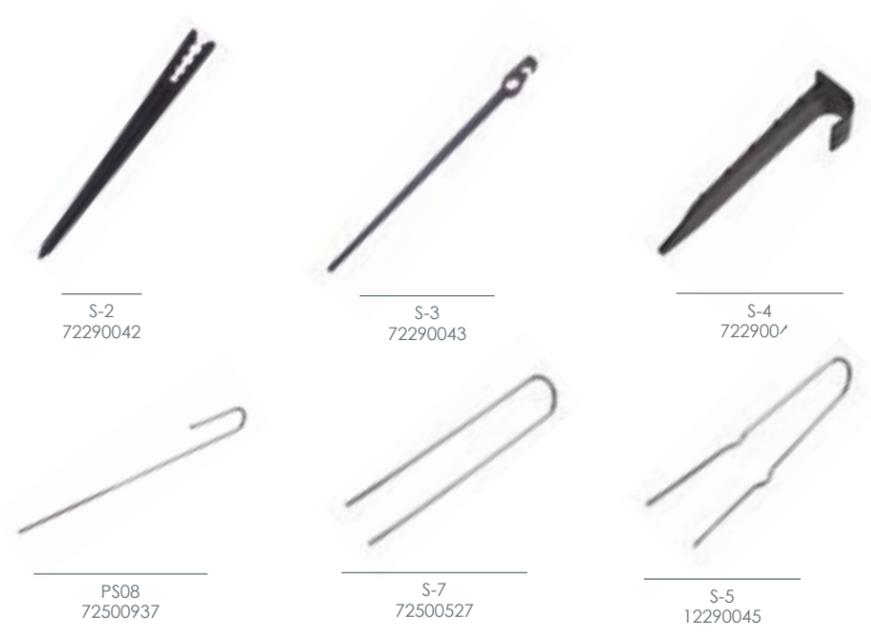
STAPLES AND TUBING STAKES

Product Features

- Plastic and wire staple models available
- Heavy duty wire stakes available in 6" and 8" models
- Stakes hold tubing in place and keep close to ground for tubing protection
- Stakes hold tubing from 1/8"- 1"

Specifications

- Material: Rigid plastic and metal



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
12290045	S-5	Stay-Put Wire Anchor, use on tubing Up to 1" OD	100	1000
72500937	PS08	8" Wire Stake, fits 1/8" through 1/2" tube	25	1000
72500527	S-7	6" Heavy-Duty Wire Staple, holds up to .940" OD	100	500
72290042	S-2	1/4" Plastic Locator Stake (to hold tubing from .167" to .350" OD in Place)	25	500
72290043	S-3	1/8" Plastic Locator Stake (to hold tubing from .187" OD in Place)	25	500
72290044	S-4	1/2" Tubing Bottom Clip	50	250

AIR VENTS

Product Features

- Available in dual acting, continuous and combination models
- Removable top for seal maintenance
- Protects irrigation system and components
- Bright color allows easy visibility
- Performance data tested and verified at C.I.T.
- Optional Schrader Valve to check system pressure
- Inlet available in NPT or BSP

Specifications

- 1/2"-2" Air Vacuum Relief Valve
- 1" and 2" MPT Continuous Air Relief Valve
- Available in models that seal at > 1 PSI



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
12090056	MARV05	1/2" Air & Vacuum Relief Valve	25	200
12090033	VBK-3/4	3/4" Air/Vacuum Relief Valve	1	24
12030023	VBK-1	1" Air/Vacuum Relief Valve	1	24
12090028	VBKV-1	1" Air/Vacuum Relief Valve with 1/8" Schrader valve	1	24
12090002	APV-1.5	1 1/2" Air & Vacuum Relief Valve	1	6
12030007	APV-2	2" Air & Vacuum Relief Valve	1	6
12030057	ARVC100	Continuous Air Release Valve - 1" MPT		12
12030020	ARV-2	Combination Air Release Valve - 2" MPT		12

SHRUB AND THREADED ADAPTERS

Product Features

- Riser adapters are ideal for drip and 1/4" micro conversions
- 1/2" adapter allows use of 1/2" MPT thread and 1/4" tubing

Specifications

- 1/2" FPT inlet X 1/4" barb outlet



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500523	REA1032B	Flexible 1/2" FPT Riser Emitter Adapter for 10-32 or .125 to .250 Barbs	50	400
72500521	RA250E	Riser Adapter, 1/2" FPT x 1/2" MPT x 1/4" Barbed Swivel Elbow	50	400
72500170	FPA-250T	1/2" FIPT Adapter x 1/4" Barbed Tee	25	250
72500169	FPA-250EL	1/2" FIPT Adapter x 1/4" Barbed Elbow	25	250
72500930	SAT-2010-01	1/2" FIPT Adapter x 10-32 Thread, PVC	50	1000
72500379	FAM-H5P	Swivel Adapter - 3/4" FHT x 3/4" MPT with Washer	25	200
72501966	660HP	Nipple - 3/4" MHT x 3/4" MPT	25	200
72500803	FAM-5075	Nipple - 1/2" MPT x 3/4" MPT	25	1000
12040073	3/4-FHT CAP	CAP - 3/4" FHT with Washer	50	1000

FLEXSTRAP TREE TIES

Product Features

- Flexible vinyl allows tree to grow without damage
- UV resistant
- No hammering - stretches tight
- Allows tree movement as desired to build strength
- Durable vinyl will not break in high winds

Specifications

- Insert slots every 12" for maximum flexibility
- 50' coils or 500' coils
- Holds securely to any kind of stake
- 1 Carton = (12) 50' Coils



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
71240005	FSTT-50	Tree Ties, Durable Vinyl Construction, Coil Length 50'	25	200
71240003	FSTT-500	Tree Ties, Durable Vinyl Construction, Coil Length 500'	1	24

TOTAL CV TUBE ENDS

Product Features

- Flexible vinyl allows tree to grow without damage

Specifications

- Insert slots every 12" for maximum flexibility



Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72290018	700-AP8	Figure 8 Hose End - 18mm	25	300
12290116	900-AP8	Fits tubing O.D up to 0.950"	25	50
12290117	1000-AP8	Fits tubing O.D up to 1.3"	25	50

PRESSURE GAUGES

Product Features

- Stainless Steel Case
- Polycarbonate Window
- Copper Alloy bourdon tube
- Black Rubber Oil Cap
- Liquid Filled Gauge

Specifications

- 1/4" NPT Lower



32-Q310368
12070347

Specification Builder

Part #	Model #	Description	Box Qty
12070326	32-Q310344	0-30 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	50
12070328	32-Q310351	0-60 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	50
12070347	32-Q310368	0-100 PSI Liquid Filled Pressure Gauge, 2 1/2" Face	50

BUBBLER BOX

Product Features

- Metal washer in lid for metal detector locating
- Conceal and protect emitters and bubblers
- Easy access to buried drip components

Specifications

- Material: Polyethylene
- 6" X 5" X 4"H



BBOX645P
72500622

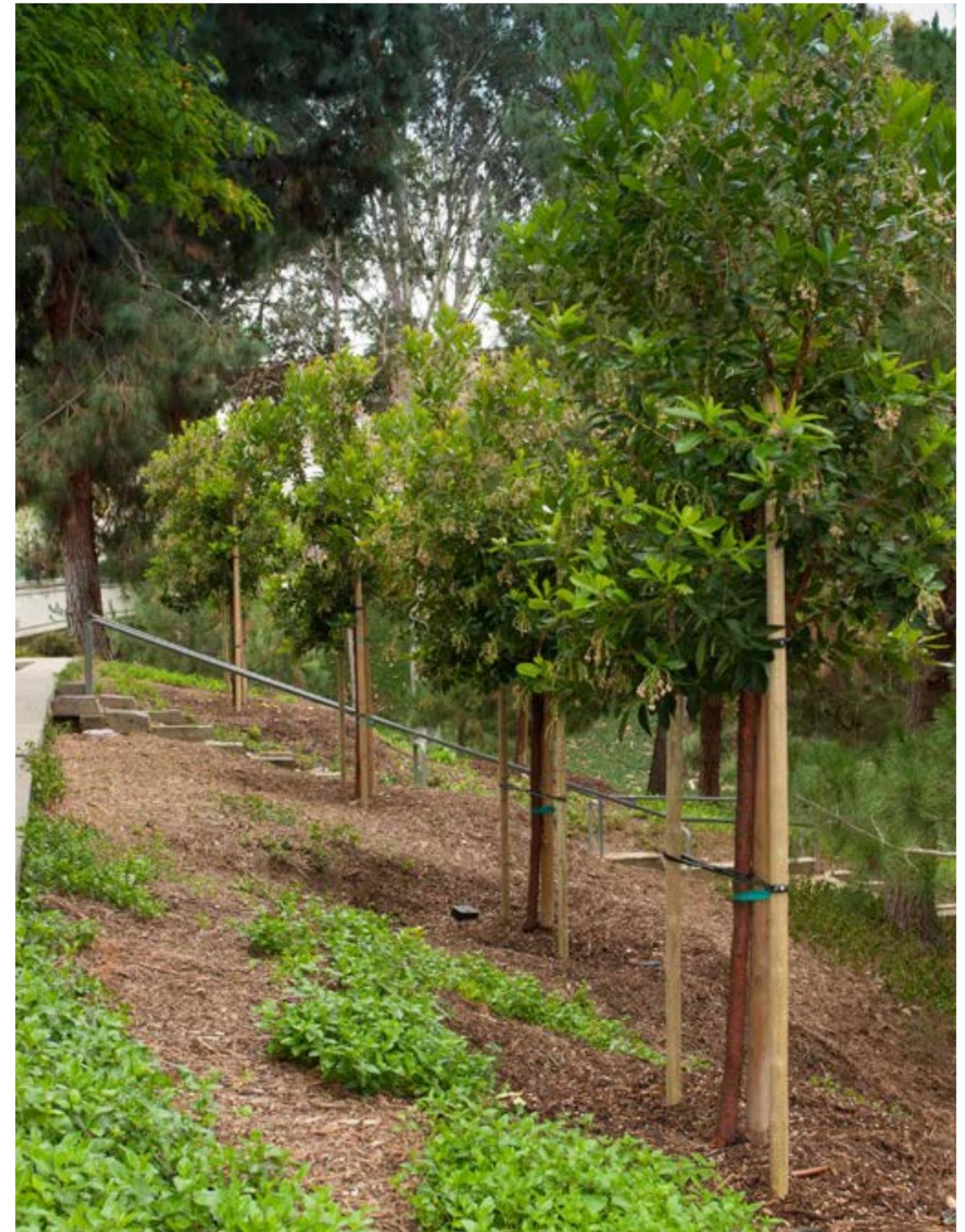


BBOX645
72500621

Specification Builder

Part #	Model #	Description	Box Qty
72500621	BBOX645	Bubbler Box	36
72500622	BBOX 645P	Bubbler Box (Purple NP Cover)	36

University of California - Irvine, CA



TUBING SUPPORT CLAMPS

Product Features

- Attaches micro tubing with small nail and plastic support clamp to wood

Specifications

- Available with 3/16", 1/4" and 1/2" support clamps
- Iron nail and plastic clamp



PC250
72500466

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500465	PC185	3/16" Tubing Support Clamp	100	3000
72500466	PC250	1/4" Tubing Support Clamp	100	2000
72500468	PC710	1/2" Tubing Support Clamp	100	500



HOLE PUNCHES

Product Features

- For use with polyethylene tubing
- Multiple puncture configurations for barbed emitters
- PKP160 hangs conveniently on key chain
- MFIT makes Micro-Flapper installation easy

Specifications

- RP punches holes for 1/4" and 3/4" barbed devices



32-AMP4
72071036

POP125
72500491



MFIT
72500306



RP
72501092



PKP160
72501091

Related Products



MF-1
72501105

Specification Builder

Part #	Model #	Description	Bag Qty	Box Qty
72500491	POP125	Quick Punch for 1/8" and 1/4" Barb Fittings	10	200
72501091	PKP160	Key Punch	25	600
72015085	DP-M	Disposable Mini Hole Punch	10	500
72071036	32-AMP4	Pro Punch (Miracle Punch) with 4mm Tip	1	100
72500306	MFIT	Micro-Flapper Installation Tool	5	50
72501092	RP	RP- Punches hole for 1/4" and 3/16" barb fittings	6	72

TECHNICAL DATA

Estimated Total Length of Emitterline =

$$\frac{\text{Irrigated Area} \times 12}{\text{Minimum Recommended Lateral Spacing (inches)}}$$

In Which:
 Estimated Total Length of Dripline = Total Footage of Dripline in a Zone
 Irrigated Area = Total Area in Square Feet
 Minimum Recommended Lateral (Row) Spacing = The minimum row spacing from the General Guidelines Chart in inches

Application Rate =

$$\frac{231.1 \times \text{Emitter Flow Rate (GPH)}}{\text{Emitterline Row Spacing (inches)} \times \text{Emitter Spacing (inches)}}$$

In Which:
 Application Rate is = Inches per Hour of Water Being Applied
 Emitter Flow Rate = Gallons per Hour Flow of One Emitter
 Emitter Spacing = Spacing in Inches of Emitters Inside Tubing
 Emitterline Row Spacing = Inches Between Total CV Laterals (rows)

Number of Emitters in a Zone =

$$\frac{\text{Total Emitterline} \times 12}{\text{Emitter Spacing (inches)}}$$

In Which:
 Number of Emitters = Number of Emitters
 Total Emitterline = Length of All Emitterline in a Zone in Feet
 Emitter Spacing = Spacing in Inches of Emitters Inside Tubing

Flow Per Zone =

$$\frac{\text{Number of Emitters} \times \text{Emitter Flow Rate (GPH)}}{60}$$

In Which:
 Flow Per Zone = Total Gallons per Minute
 Number of Emitters = Number of Emitters
 Emitter Flow Rate = Gallons per Hour of One Emitter

Estimated Total Zone Flow =

$$\left(\frac{\text{Irrigated Area} \times 144}{\text{Emitter Spacing (inches)} \times \text{Emitterline Row Spacing (inches)}} \right) \left(\frac{\text{Emitter Flow Rate (GPH)}}{60} \right)$$

In Which:
 Estimated Total Zone Flow = Gallons per Minute in Zone
 Irrigated Area = Total Area in Square Feet
 Emitter Spacing = Spacing in Inches of Emitters Inside Tubing
 Emitterline Row Spacing = Inches Between Total CV Laterals (rows)
 Emitter Flow Rate = Gallons per Hour of One Emitter

In Which:
 Note: 0.4, 0.6 and 0.9 GPH are nominal flow rates. Actual flow rates of .42, .61 and .92 GPH should be used in these calculations.

TECHNICAL DATA

Container Irrigation (Emitter Flow Rate & Run Time)

Container Size (Gallons)	Emitter Flow (GPH)	Sandy Soil (in min.)	Loam Soil (in min.)	Clay Soil (in min.)	Potting Soil (in min.)
1	0.5	3	5	11	2
2	0.5	6	10	20	4
5	1.0	9	15	30	6
15	1.0	9	15	30	6
25	1.0	40	75	150	35

Container Irrigation (Frequency)

Climate	Sandy Soil	Loam Soil	Clay Soil	Potting Soil
Very Cool	2 Days	3 Days	8 Days	2 Days
Cool	1 1/2 Days	2 Days	6 Days	Daily
Moderate	1 1/2 Days	2 Days	6 Days	Daily
Hot	Daily	2 Days	6 Days	Daily
High Desert	Daily	1 1/2 Days	4 Days	Daily
Low Desert	Daily	Daily	3 Days	Daily

Approximate Wetted Diameter & Wetted Area Per Emitter (Per Soil Type)

Emitter Flow Rate	Wetted Diameter Emitter (ft.)			Wetted Area Per Emitter (sq. ft.)		
	Clay Soil	Loam Soil	Sandy Soil	Clay Soil	Loam Soil	Sandy Soil
0.5 GPH	5 - 7	3 - 5	2 - 3	20 - 38	7 - 20	3 - 7
1.0 GPH	7 - 8	5 - 6	3 - 3.5	38 - 50	20 - 28	7 - 10
2.0 GPH	8 - 9	8 - 7	3.5 - 4	50 - 64	28 - 38	10 - 13

Emitter flow rates have an impact on the soil's ability to absorb water. The lighter the shaded box indicates the more desirable flow rate given the soil selection.

TECHNICAL DATA

Application Rates 0.53 GPH Emitter

Flow Rate (GPH)	Emitter Spacing (in.)	Lateral Spacing (in.)	Application Rate (in./hr.)	Time to Apply 1/4" (min.)
0.6	12	12	0.96	16
0.6	12	14	0.83	18
0.6	12	16	0.72	21
0.6	12	18	0.64	23
0.6	12	20	0.58	26
0.6	12	22	0.53	29
0.6	12	24	0.48	31
0.6	18	12	0.64	23
0.6	18	14	0.55	27
0.6	18	16	0.48	31
0.6	18	18	0.43	35
0.6	18	20	0.39	39
0.6	18	22	0.35	43
0.6	18	24	0.32	47
0.6	24	12	0.48	31
0.6	24	14	0.41	36
0.6	24	16	0.36	42
0.6	24	18	0.32	47
0.6	24	20	0.29	52
0.6	24	22	0.26	57
0.6	24	24	0.24	62

Application Rate = (231.1 x GPH) / (Emitter Spacing x Lateral Spacing)

Application Rates 1.0 GPH Emitter

Flow Rate (GPH)	Emitter Spacing (in.)	Lateral Spacing (in.)	Application Rate (in./hr.)	Time to Apply 1/4" (min.)
0.9	12	12	1.44	10
0.9	12	14	1.24	12
0.9	12	16	1.08	14
0.9	12	18	0.96	16
0.9	12	20	0.87	17
0.9	12	22	0.79	19
0.9	12	24	0.72	21
0.9	18	12	0.96	16
0.9	18	14	0.83	18
0.9	18	16	0.72	21
0.9	18	18	0.64	23
0.9	18	20	0.58	26
0.9	18	22	0.53	29
0.9	18	24	0.48	31
0.9	24	12	0.72	21
0.9	24	14	0.62	24
0.9	24	16	0.54	28
0.9	24	18	0.48	31
0.9	24	20	0.43	35
0.9	24	22	0.39	38
0.9	24	24	0.36	42



INDEX - PART NUMBER

Part	Model	Page	Part	Model	Page	Part	Model	Page
11190149	187x125-100PE	24	12500794	AJ-180-B	49	71190636	250x170-500V	24
11190589	187x125-1000PE	24	12500796	AJ-090-B	49	71190685	220x160-500V	24
11190597	220x160-1000V	24	12500797	AJ-300-BL	49	71190801	220x160-500PE	24
11190602	250x170-1000V	24	12500798	AJ-180-BL	49	71195028	PRR08	54
11200018	710x620-1000PE	22	12500799	AJ-090-BL	49	71195029	PRR12	54
11200001	700x600-1000PE	22	12500800	AJ-300-R	49	71195030	PRR18	54
11200025	1200X1060-660PE	22	12500801	AJ-180-R	49	71200002	700X600-100PE	22
11200026	1200X1060-100PE	22	12500802	AJ-090-R	49	71200007	700X600-500PE	22
11200064	620X520-500PE	22	12501250	ASBLK-6	52	71200012	710X620-100PE	22
11200067	620X520-1000PE	22	12501251	ASGRN-6	52	71200017	710X620-500PE	22
11200138	940X820-500PE	22	12501252	ASAVCDO-6	52	71200041	940X820-100PE	22
11210007	1/2-IPS-200	25	12501253	ASTERCTA-6	52	71200043	940X820-250PE	22
11210008	1/2-IPS-100	25	12501254	ASBRN-6	52	71200044	940X820-500PE	22
11210060	3/4-IPS-200	25	12501255	ASGRY-6	52	71200048	927X817-500 PE	23
11210061	3/4-IPS-100	25	12501256	ASBLU-6	52	71200061	620X520-100PE	22
12010225	600-CELL-SN-WW	16	12501648	BA7550T	35	71200077	710x620-500 BLUE	23
12010244	600-CST-WW	16	12501648	BA7550T	34	71200086	710x620-500 GREEN	23
12501086	600-CPS-WW	16	12503118	AJ-300-GR	49	71200087	710x620-500 PURPLE	23
12010213	600-CA	16	12503119	AJ-180-GR	49	71200089	927X817-500 PURPLE	23
12010312	700-CELL-SN-WW	16	12503120	AJ-090-GR	49	71200092	927X817-500 BLUE	23
12010332	700-CST-WW	16	12503128	AJ-300-B	49	71200098	710x620-500 YELLOW	23
12010364	710-CELL-SN-WW	16	12503205	CTHDT2-CNL	37	71200099	927X817-500 YELLOW	23
12010384	710-CST-WW	16	12503208	CTHDT3-CNL	37	71200241	710x620-500 RED	23
12030007	APV-2	76	12503210	CTHDT4-CNL	37	71200320	710x620-500 WHITE	23
12030020	ARV-2	76	12503215	CTHDT8-CNL	37	71200503	660X560-100PEB	8
12030023	VBK-1	76	12503220	CTHDT12-CNL	37	71200504	660X560-250PEB	8
12030057	ARVC100	76	12503255	CTHDB2-CNL	37	71200505	660X560-500PEB	8
12040073	3/4-FHT CAP	77	12503260	CTHDB4-CNL	37	71210064	3/4" ARHF-IPS	25
12060008	FCH-2H	61	12503405	CTIPC2	37	71210201	1/2" ARHF-IPS	25
12060024	3/4WYE-BLACK	60	12503410	CTIPC4	37	71230004	690x490-PETW	26
12060701	LFV-50NPT	77	12503420	CTIPC8	37	71230030	680x490-STTW	26
12060717	LFV-17B	77	12503455	CTIPC2-CNL	36	71240003	FSTT-500	80
12070326	32-Q310344	81	12503460	CTIPC4-CNL	36	71240005	FSTT-50	80
12070328	32-Q310351	81	12503470	CTIPC8-CNL	36	71500023	PMO406100	11
12070347	32-Q310368	81	12503475	CTIPC12-CNL	36	71500025	PMO412100	11
12090002	APV-1.5	76	12503505	CTBPC2	37	71500155	BTP-100	27
12090028	VBKV-1	76	12503510	CTBPC4	37	71500156	BTP-1000	27
12090033	VBK-3/4	76	12503555	CTBPC2-CNL	36	71500158	BTW-100	27
12090056	MARV05	76	12503560	CTBPC4-CNL	36	71500159	BTW-1000	27
12100017	PR-075-L-10	67	14103012	61-ET010	59	71500656	250x160-100V	24
12100018	PR-075-M-10	67	14103017	61-ET015	59	71500657	250x160-1000V	24
12100020	PR-075-L-12	67	14103019	61-ET020	59	71500740	CV6758-12-10	9
12100021	PR-075-L-15	67	14103021	61-ET075	59	71500741	CV6758-12-50	9
12100022	PR-075-M-15	67	32020405	CTIPC2-BULK	37	71500742	CV6758-12-100	9
12100026	PR-075-M-20	67	32020410	CTIPC4-BULK	37	71500803	CV6758-18-10	9
12100028	PR-075-M-25	67	32020420	CTIPC8-BULK	37	71500804	CV6758-18-50	9
12100030	PR-075-M-30	67	32020455	CTIPC2-CNL-BULK	36	71500805	CV6710-18-10	9
12100031	PR-100-M-30	67	32020460	CTIPC4-CNL-BULK	36	71500861	PMO406500	11
12100033	PR-075-M-35	67	32020470	CTIPC8-CNL-BULK	36	71500862	PMO412500	11
12100035	PR-075-M-40	67	32020475	CTIPC12-CNL-BULK	36	71500865	PMO406500B	11
12100036	PR-100-M-40	67	32020505	CTBPC2-BULK	37	71500866	PMO412500B	11
12100039	PR-075-L-06	67	32020515	CTBPC4-BULK	37	71500867	PMO4061000	11
12100053	PR-100-M-20	67	32020555	CTBPC2-CNL-BULK	36	71500868	PMO4121000B	11
12100057	PR-100-M-35	67	32020560	CTBPC4-CNL-BULK	36	71500880	PMO406100B	11
12100059	PR-100-M-50	67	32021205	CTHDT2-CNL-BULK	37	71500881	PMO412100B	11
12100060	PR-100-M-25	67	32021208	CTHDT3-CNL-BULK	37	71500890	CV6710-12-10	9
12220001	32-400-005S	60	32021210	CTHDT4-CNL-BULK	37	71500921	CV6710-12-50	9
12220010	32-400-007S	60	32021215	CTHDT8-CNL-BULK	37	71500922	CV6710-18-50	9
12220020	32-400-010S	60	32021220	CTHDT12-CNL-BULK	37	71500923	CV6710-24-50	9
12220030	32-400-012S	60	32021255	CTHDB2-CNL-BULK	37	71500924	CV6710-36-50	9
12220040	32-400-015S	60	32021260	CTHDB4-CNL-BULK	37	71500925	CV6710-48-50	9
12220050	32-400-020S	60	71190042	220x160-100V	24	71581023	TR1742-18-100NP	10
12220055	32-400-025S	60	71190151	187x125-500V	24	71581108	TR1742-12-50NP	10
12220060	32-400-030S	60	71190172	187x125-100V	24	71581111	TR1742-12-100NP	10
12220100	32-401-005T	60	71190255	220x160-100PE	24	71581120	TR1742-18-50NP	10
12220110	32-401-007T	60	71190320	250x170-500PE	24	71581208	TR1758-12-50NP	10
12220120	32-401-010T	60	71190334	250x170-100PE	24	71581211	TR1758-12-100NP	10
12220130	32-401-012T	60	71190338	250x170-50PE	24	71581220	TR1758-18-50NP	10
12220140	32-401-015T	60	71190351	250x170-100V	24	71581223	TR1758-18-100NP	10
12220150	32-401-020T	60	71190355	250x170-50V	24	71581308	TR1710-12-50NP	10
12220155	32-401-025T	60	71190591	187x125-1000V	24	71581311	TR1710-12-100NP	10
12220160	32-401-030T	60	71190595	220x160-1000PE	24	71581320	TR1710-18-50NP	10
12290045	S-5	75	71190600	250x170-1000PE	24	71581323	TR1710-18-100NP	10

INDEX - PART NUMBER

Part	Model	Page	Part	Model	Page	Part	Model	Page
71591001	CV1729-12-10B	7	72015012	PVSV360R	48	72130191	4EH-1AN-30	70
71591004	CV1729-12-25B	7	72015046	RSTAKE	53	72130193	4EH-1AN-50	70
71591007	CV1729-12-50B	7	72015063	PRH-15	66	72130195	4EH-1AN-100	70
71591010	CV1729-12-100B	7	72015064	PRH-20	66	72130197	4EH-1AN-150	70
71591013	CV1729-18-10B	7	72015065	PRH-25	66	72130199	4EH-1AN-200	70
71591016	CV1729-18-25B	7	72015066	PRH-30	66	72130201	4EH-1BN-30	70
71591019	CV1729-18-50B	7	72015067	PRH-35	66	72130201	4EH-1BN-30	70
71591022	CV1729-18-100B	7	72015071	TF-A	43	72130203	4EH-1BN-50	70
71591101	CV1742-12-10B	7	72015079	L250	18	72130203	4EH-1BN-50	70
71591104	CV1742-12-25B	7	72015085	DP-M	84	72130205	4EH-1BN-100	70
71591107	CV1742-12-50B	7	72050301	PL-55-P3T	14	72130205	4EH-1BN-100	70
71591110	CV1742-12-100B	7	72050302	PL-55-PST-WW	14	72130207	4EH-1BN-150	70
71591113	CV1742-18-10B	7	72050304	PL-55-PELL	14	72130207	4EH-1BN-150	70
71591116	CV1742-18-25B	7	72050305	PL-55-PC	14	72130209	4EH-1BN-200	70
71591119	PL-55-PETC	14	72050311	PL-55-PETC	14	72130209	4EH-1BN-200	70
71591122	CV1742-18-100B	7	72050307	PL-55-PHS-WW	14	72130300	JF-075-50	68
71591201	CV1758-12-10B	8	72050308	PL-55-P1/2MA	14	72130301	JF-075-100	68
71591204	CV1758-12-25B	8	72050311	JF-075-PMT	14	72130302	JF-075-150	68
71591207	CV1758-12-50B	8	72050312	PL-55-PEF	14	72130303	JF-075-200	68
71591210	CV1758-12-100B	8	72050314	HV55	14	72130304	JF-075-150-N	68
71591213	CV1758-18-10B	8	72050315	PL-55PST-WS	14	72130310	JF-100-50	68
71591216	CV1758-18-25B	8	72050316	PL-55-PHS-WS	14	72130311	JF-100-100	68
71591219	CV1758-18-50B	8	72050317	JF-100-150	68	72130312	JF-100-150	68
71591222	CV1758-18-100B	8	72050321	PL-55-SSP1	14	72130313	JF-100-200	68
71591225	CV1758-24-10B	8	72050322	SSP-BV-PL-55	14	72130314	JF-100-150-N	68
71591228	CV1758-24-25B	8	72050323	PL-55-BV-SSP-1	14	72131301	FKR-JF-150-30-PL	65
71591231	CV1758-24-50B	8	72050324	PL-55-SSP	14	72131302	FKC-4E-150-40-PL	65
71591234	CV1758-24-100B	8	72050325	PL-55-PPS-WW	14	72131303	FKC-4EH-150-40	65
71591301	CV1710-12-10B	8	72060034	FCH-H-FHT	61	72140001	3/4-SP	71
71591304	CV1710-12-25B	8	72060035	FCH-H-FIPT	61	72140002	1-SP	71
71591307	CV1710-12-50B	8	72071036	3-AMP4	84	72140007	11/2 & 2-DB-H	71
71591310	CV1710-12-100B	8	72100024	PR-075-L-20	67	72140008	11/2" & 2 - Ring	71
71591313	CV1710-18-10B	8	72100027	PR-075-L-25	67	72140013	11/2-SP	71
71591316	CV1710-18-25B	8	72100029	PR-075-L-30	67	72140029	2-SP	71
71591319	CV1710-18-50B	8	72100032	PR-075-L-35	67	72140031	3/4" & 1"-100M	71
71591322	CV1710-18-100B	8	72100034	PR-075-L-40	67	72140032	3/4" & 1"-150M	71
71591325	CV1710-24-10B	8	72100064	PRP-30	66	72140034	3/4" & 1"-200M	71
71591328	CV1710-24-25B	8	72120017	11/2" & 2" - 30M	71	72140035	3/4" & 1"-30M	71
71591331	CV1710-24-50B	8	72130070	4E-3/4A-100	72	72140036	3/4" & 1"-50M	71
71591334	4E-3/4A-150	72	72130071	4E-3/4A-150	72	72140037	3/	

INDEX - PART NUMBER

Part	Model	Page	Part	Model	Page	Part	Model	Page
72500498	PRL25PP	66	72500730	OCT8186	33	72500966	PSA1032	53
72500512	PRRAB12	54	72500731	OCT856	33	72500969	PRR06	54
72500513	PRRAB18	54	72500732	OCT896	33	72500970	FCD8960	33
72500515	PRRAB06	54	72500740	PMP2	55	72500972	BA7550E	35
72500516	PRRAB08	54	72500741	PMP3	55	72500972	BA7550E	34
72500521	RA250E	79	72500744	PMS25	50	72500994	700-SA	16
72500523	REA103B	79	72500745	PMS9	50	72500997	710-SA	16
72500527	S-7	75	72500746	JL04	42	72501086	700-CPS-WW	16
72500541	T125	18	72500748	JL08	42	72501091	PKP160	84
72500542	T250	18	72500750	JL16	42	72501092	RP	84
72500560	JE02	41	72500753	JL02	42	72501103	MF-1/2	40
72500561	JE04	41	72500769	QB416	34	72501104	MF-3/4	40
72500562	JE08	41	72500770	QB4186	34	72501105	MF-1	40
72500563	JE16	41	72500771	QB456	34	72501106	MF-2	40
72500566	MIL02	44	72500772	QB496	34	72501232	SA24B	53
72500567	MIL04	44	72500773	QB2-186	35	72501233	SA24BV	53
72500568	MIL08	44	72500774	QB2-56	35	72501964	C250	18
72500581	JBPC02	45	72500775	QB2-96	35	72501966	660HP	77
72500582	JBPC04	45	72500803	FAM-5075	77	72503121	PVJS8B	46
72500583	JBAFP	45	72500807	PVJS8T	53	72503122	PVJS8T	46
72500584	JBAF	45	72500825	CETAPC02	39	72503123	PVJS4B	46
72500601	PVJS4R	46	72500826	CETAPC04	39	72503124	PVJS4T	46
72500602	PVJS8R	46	72500827	CETAPC08	39	72503125	PVJS8S	46
72500603	PVMBR	47	72500924	PVJS4S	46	72503126	PVMBB	47
72500614	BA-CP-QB	34	72500930	SAT-2010-01	79	72503127	PVMBT	47
72500616	BA-PP-QB	34	72500937	PS08	75	72503166	QB2-56P	35
72500616	BA-PP-QB	35	72500948	710-CPS-WW	16	72503167	QB2-16P	35
72500617	BA-CP-QB2	35	72500955	PMS12	50	72503172	QB2-96P	35
72500619	BA-PP-OB	33	72500956	PMS18	50	72503174	QB2-186P	35
72500621	BBOX645	81	72500957	PVFBVBB	18	72503800	S680	49
72500622	BBOX645P	81	72500961	PVJ06F	51	72503801	S670	49
72500623	FCD8160	33	72500962	PVJ06H	51	72503802	S660	49
72500624	FCD8860	33	72500963	PVJ06Q	51	725050971	QB2-16	35
72500625	FCD8560	33	72500964	PVJM	51			
72500729	OCT816	33	72500965	PVMS25	51			

INDEX - MODEL NUMBER

Model	Part	Page	Model	Part	Page	Model	Part	Page
CV1729-12-10B	71591001	7	11/2-SP	72140060	71	700-CHS-WW	72500994	16
1/2" ARHF-IPS	71210064	25	11/2-SP-2	72140058	71	700-CMA	72010323	16
1/2-IPS-100	11210007	25	11/2-SP-3	72140013	71	700-CPS-WW	12010332	16
1/2-IPS-200	11210061	25	32-400-005S	12220010	60	700-CRMA	72010299	16
1-SP	72140059	71	32-400-007S	12220020	60	700-CST-WW	12010312	16
2-SP	72140007	71	32-400-010S	12220030	60	700-SA	72501086	16
2-SP-2	72140061	71	32-400-012S	12220040	60	700X600-100PE	71200007	22
2-SP-3	72140029	71	32-400-015S	12220050	60	700X600-500PE	11200001	22
3/4" & 1"-30M	72140036	71	32-400-020S	12220055	60	700X600-1000PE	71200012	22
3/4" & 1"-50M	72140031	71	32-400-025S	12220060	60	710-C3T	72010359	16
3/4" & 1"-100M	72140032	71	32-400-030S	12060024	60	710-CA	72010372	16
3/4" & 1"-150M	72140034	71	32-401-005T	12220110	60	710-CC	72010348	16
3/4" & 1"-200M	72120017	71	32-401-007T	12220120	60	710-CELL	72010373	16
3/4" & 1-DB	72140044	71	32-401-010T	12220130	60	710-CELL-SN-WW	12010384	16
3/4" & 1-Ring	72140008	71	32-401-012T	12220140	60	710-CETC	72010504	17
3/4" ARHF-IPS	71230030	26	32-401-015T	12220150	60	710-CHS-WW	72500997	16
3/4-FHT CAP	72500523	79	32-401-020T	12220155	60	710-CMA	72010375	16
3/4-IPS-100	11210060	25	32-401-025T	12220160	60	710-CPS-WW	12010364	16
3/4-IPS-200	71210201	25	32-401-030T	12220001	60	710-CRMA	72010351	16
3/4-SP	72140002	71	32-AMP4	72500306	84	710-CST-WW	72010365	16
3/4WYE-BLACK	72060035	61	32-Q310344	12070328	81	710-SA	72500948	16
4E-1AN-30	72130173	72	32-Q310351	12070347	81	710X620-100PE	71200017	22
4E-1AN-50	72130175	72	32-Q310368	72500621	81	710X620-500 BLUE	71200087	23
4E-1AN-100	72130177	72	61-ET010	14103017	59	710X620-500 GREEN	71200048	23
4E-1AN-150	72130179	72	61-ET015	14103019	59	710X620-500PE	11200018	22
4E-1AN-200	72130079	72	61-ET020	12220100	60	710X620-500 PURPLE	71200087	23
4E-1BN-30	72130173	72	61-ET075	14103012	59	710X620-500 RED	71200320	23
4E-1BN-50	72130175	72	187x125-100PE	11190589	24	710X620-500 WHITE	71200086	23
4E-1BN-100	72130177	72	170-TB	72500492	18	710X620-500 YELLOW	71200241	23
4E-1BN-150	72130179	72	187x125-100V	71190151	24	710X620-1000PE	71200041	22
4E-1BN-200	12290045	75	187x125-500V	71190591	24	900-C3T	72010511	17
4E-3/4A-30	72130074	72	187x125-1000PE	71190255	24	900-CA	72010516	17
4E-3/4A-50	72130070	72	187x125-1000V	71190042	24	900-CC	72010499	17
4E-3/4A-100	72130071	72	220x160-100PE	71190801	24	900-CELL	72010523	17
4E-3/4A-150	72130072	72	220x160-100V	71190685	24	900-CETC	72010521	17
4E-3/4A-200	72130171	72	220x160-500PE	71190595	24	900-CHS-WW	72501964	18
4E-3/4B-30	72130080	72	220x160-500V	11190597	24	900-CMA	72010503	17
4E-3/4B-50	72130076	72	220x160-1000PE	71190338	24	927X817-500 BLUE	71200099	23
4E-3/4B-100	72130077	72	220x160-1000V	71190355	24	927X817-500 PE	71200048	23
4E-3/4B-150	72130078	72	250x160-100V	71500657	24	927X817-500 PURPLE	71200089	23
4E-3/4B-200	72130171	72	250x160-1000V	11210008	25	927X817-500 YELLOW	71200099	23
4EH-1AN-30	72130193	70	250x170-50PE	71190334	24	940X820-100PE	71200043	22
4EH-1AN-50	72130195	70	250x170-50V	71190351	24	940X820-250PE	71200044	22
4EH-1AN-100	72130197	70	250x170-100PE	71190320	24	940X820-500PE	11200138	22
4EH-1AN-150	72130199	70	250x170-100V	71190636	24	940X830-500PE	11200026	22
4EH-1AN-200	72130201	70	250x170-500PE	71190600	24	1200X1060-100PE	11200025	22
4EH-1BN-30	72130203	70	250x170-500V	11190602	24	1200X1060-660PE	71200077	23
4EH-1BN-50	72130205	70	250x170-1000PE	71190172	24	AJ-090-B	12500799	49
4EH-1BN-100	72130207	70	250x170-1000V	71500656	24	AJ-090-BL	12503120	49
4EH-1BN-150	72130209	70	600-CA	72010233	16	AJ-090-GR	12500802	49
4EH-1BN-200	72130093	70	600-C3T	72010220	16	AJ-090-R	72503802	49
4EH-3/4A-30	72130114	70	600-CC	72010210	16	AJ-180-B	12500798	49
4EH-3/4A-50	72130110	70	600-CELL	72010236	16	AJ-180-BL	12503119	49
4EH-3/4A-100	72130111	70	600-CELL-SN-WW	72010226	16	AJ-180-GR	12500801	49
4EH-3/4A-150	72130112	70	600-CETC	72010301	16	AJ-180-R	12500796	49
4EH-3/4A-200	72130118	70	600-CHS-WW	12501086	16	AJ-300-B	12500797	49
4EH-3/4B-30	72130119	70	600-CPS-WW	12010244	16	AJ-300-BL	12503118	49
4EH-3/4B-50	72130115	70	600-CRMA	12010213	16	AJ-300-GR	12500800	49
4EH-3/4B-100	72130116	70	600-CST-WW	12010225	16	AJ-300-R	12500794	49
4EH-3/4B-150	72130117	70	620X520-100PE	11200064	22	AL050MA	72291011	12
4EH-3/4B-200	72130191	70	620X520-500PE	11200067	22	AL075MA	72291024	12
4EH-11/2-30	72130094	70	620X520-1000PE	71200002	22	ALCOUP	72291010	12
4EH-11/2-50	72130090	70	660HP	72500803	77	ALELB	72050305	14
4EH-11/2-100	72130091	70	660X560-100PEB	71200504	8	ALTEE	72291022	12
4EH-11/2-150	72130092	70	660X560-250PEB	71200505	8	APV-1.5	12030007	76
4EH-11/2-200	72130201	70	660X560-500PEB	71500740	9	APV-2	12030057	76
11/2" & 2" - 30M	72140049	71	680x490-STTW	71230004	26	ARV-2	12060717	77
11/2" & 2" - 50M	72140045	71	690x490-PETW	71500155	27	ARVC100	12030020	76
11/2" & 2" - 100M	72140046	71	700-C3T	72010307	16	ASAVCDO-6	12501253	52
11/2" & 2" - 150M	72140047	71	700-CA	72010320	16	ASBLK-6	12501251	52
11/2" & 2" - 200M	72140001	71	700-CC	72010296	16	ASBLU-6	72015046	53
11/2" & 2-DB-H	72140038	71	700-CELL	72010321	16	ASBRN-6	12501255	52
11/2" & 2-DB-H	72140037	71	700-CELL-SN-WW	72010313	16	ASGRN-6	12501252	52
11/2" & 2 - Ring	72130073	72	700-CETC	72010353	16	ASGRY-6	12501256	52

INDEX - MODEL NUMBER

Model	Part	Page	Model	Part	Page	Model	Part	Page
ASTERCTA-6	12501254	52	CV1729-18-10B	71591016	7	JL04	72500748	42
BA7550E	12501648	35	CV1729-18-25B	71591019	7	JL08	72500750	42
BA7550E	12501648	34	CV1729-18-50B	71591022	7	JL16	72015071	43
BA7550T	72500616	34	CV1729-18-100B	71591101	7	L250	72290009	18
BA7550T	72500616	35	CV1742-12-10B	71591104	7	LFV-17B	12060701	77
BA-CP-QB	72550971	35	CV1742-12-25B	71591107	7	LFV-50NPT	72500379	77
BA-CP-QB2	12503455	36	CV1742-12-50B	71591110	7	MARV05	12090033	76
BA-PP-OB	72500769	34	CV1742-12-100B	71591113	7	MF-1	72501106	40
BA-PP-QB	72500614	34	CV1742-18-10B	71591116	7	MF-1/2	72501104	40
BA-PP-QB	72500617	35	CV1742-18-25B	71591119	7	MF-2	72500560	41
BBOX645	72500622	81	CV1742-18-50B	71591122	7	MF-3/4	72501105	40
BBOX645P	72500465	83	CV1742-18-100B	71591201	8	MFIT	72501092	84
BTP-100	71500156	27	CV1758-12-10B	71591204	8	MIL02	72500567	44
BTP-1000	71500158	27	CV1758-12-25B	71591207	8	MIL04	72500568	44
BTV-100	71500159	27	CV1758-12-50B	71591210	8	MIL08	72500581	45
BTV-1000	72500729	33	CV1758-12-100B	71591213	8	OCT816	72500731	33
C125	72500541	18	CV1758-18-10B	71591216	8	OCT856	72500732	33
C250	72500542	18	CV1758-18-25B	71591219	8	OCT896	72500730	33
CETAPC02	72500826	39	CV1758-18-50B	71591222	8	OCT8186	72500623	33
CETAPC04	72500827	39	CV1758-18-100B	71591225	8	PC185	72500466	83
CETAPC08	72501103	40	CV1758-24-10B	71591228	8	PC250	72500468	83
CTBC2-CNL-BULK	32020560	36	CV1758-24-25B	71591231	8	PC710	72500491	84
CTBC4-CNL-BULK	12503205	37	CV1758-24-50B	71591234	8	PCS12	72500966	53
CTBPC2	12503510	37	CV1758-24-100B	71591301	8	PKP160	72015085	84
CTBPC2-BULK	32020515	37	CV6710-12-10	71500921	9	PL-55-BV-SSP-1	72050325	14
CTBPC2-CNL	32020455	36	CV6710-12-50	71500805	9	PL-55-P1/2MA	72050317	14
CTBPC4	32020405	37	CV6710-18-10	71500922	9	PL-55-P3/4MA	72050306	14
CTBPC4-BULK	72500825	39	CV6710-18-50	71500923	9	PL-55-P3T	72050304	14
CTBPC4-CNL	32020455	36	CV6710-24-50	71500924	9	PL-55-PC	72050301	14
CTHDB2-CNL	12503260	37	CV6710-36-50	71500925	9	PL-55-PEF	72050315	14
CTHDB2-CNL-BULK	32021260	37	CV6710-48-50	71581108	10	PL-55-PELL	72050308	14
CTHDB4-CNL	32021205	37	CV6758-12-10	71500741	9	PL-55-PETC	72050311	14
CTHDB4-CNL-BULK	12503405	37	CV6758-12-50	71500742	9	PL-55-PHS-WS	72050322	14
CTHDT2-CNL	12503208	37	CV6758-12-100	71500803	9	PL-55-PHS-WW	72050302	14
CTHDT2-CNL-BULK	32021208	37	CV6758-18-10	71500804	9	PL-55-PMT	72050324	14
CTHDT3-CNL	12503210	37	CV6758-18-50	71500890	9	PL-55-PPS-WW	72050314	14
CTHDT3-CNL-BULK	32021210	37	DP-M	72071036	84	PL-55-PST-WS	72050316	14
CTHDT4-CNL	12503215	37	FAM-5075	12040073	77	PL-55-PST-WW	72050312	14
CTHDT4-CNL-BULK	32021215	37	FAM-H5P	72501966	77	PL-55-SSP	72050321	14
CTHDT8-CNL	12503220	37	FCD8160	72500625	33	PL-55-SSP1	72050307	14
CTHDT8-CNL-BULK	32021220	37	FCD8560	72500970	33	PM0406100	71500025	11
CTHDT12-CNL	12503255	37	FCD8860	72500619	33	PM0406100B	71500881	11
CTHDT12-CNL-BULK	32021255	37	FCD8960	72500624	33	PM0406500	71500862	11
CTTPC2	12503410	37	FCH-2H	32040056	65	PM0406500B	71500866	11
CTTPC2-BULK	32020410	37	FCH-H-FHT	12060008	61	PM0412100	71500861	11
CTTPC2-CNL	12503460	36	FCH-H-FIPT	72060034	61	PM0412100B	71500865	11
CTTPC2-CNL-BULK	32020460	36	FKC-4E-150-40-PL	72131303	65	PM0412500	71500867	11
CTTPC4	12503420	37	FKC-4EH-150-40	72500497	66	PM0412500B	71500868	11
CTTPC4-BULK	32020420	37	FKR-JF-150-30-PL	72131302	65	PM04061000	71500880	11
CTTPC4-CNL	12503470	36	FPA-250EL	72500930	79	PM04121000B	72291013	12
CTTPC4-CNL-BULK	32020470	36	FPA-250T	72500169	79	PMP2	72500741	55
CTTPC8	12503505	37	FSTT-50	71240003	80	PMP3	14103021	59
CTTPC8-BULK	32020505	37	FSTT-500	12070326	81	PMS9	72500955	50
CTTPC8-CNL	12503475	36	HV55	72010214	16	PMS12	72500956	50
CTTPC8-CNL-BULK	32020475	36	JBAF	72503121	46	PMS18	72500744	50
CTTPC12-CNL	12503555	36	JBAFP	72500584	45	PMS25	72500961	51
CTTPC12-CNL-BULK	32020555	36	JBPC02	72500582	45	POP125	72501091	84
CV1710-12-10B	71591304	8	JBPC04	72500583	45	PR-075-L-06	12100017	67
CV1710-12-25B	71591307	8	JE02	72500561	41	PR-075-L-10	12100020	67
CV1710-12-50B	71591310	8	JE04	72500562	41	PR-075-L-12	12100021	67
CV1710-12-100B	71591313	8	JE08	72500563	41	PR-075-L-15	72100024	67
CV1710-18-10B	71591316	8	JE16	72500753	42	PR-075-L-20	72100027	67
CV1710-18-25B	71591319	8	JF-075-50	72130301	68	PR-075-L-25	72100029	67
CV1710-18-50B	71591322	8	JF-075-100	72130302	68	PR-075-L-30	72100032	67
CV1710-18-100B	71591325	8	JF-075-150	72130303	68	PR-075-L-35	72100034	67
CV1710-24-10B	71591328	8	JF-075-150-N	72130310	68	PR-075-L-40	12100018	67
CV1710-24-25B	71591331	8	JF-075-200	72130304	68	PR-075-M-10	12100022	67
CV1710-24-50B	71591334	8	JF-100-50	72130311	68	PR-075-M-15	12100026	67
CV1710-24-100B	71200503	8	JF-100-100	72130312	68	PR-075-M-20	12100028	67
CV1729-12-10B	71591004	7	JF-100-150	72130313	68	PR-075-M-25	12100030	67
CV1729-12-25B	71591007	7	JF-100-150-N	72130113	70	PR-075-M-30	12100033	67
CV1729-12-50B	71591010	7	JF-100-200	72130314	68	PR-075-M-35	12100035	67
CV1729-12-100B	71591013	7	JL02	72500746	42	PR-075-M-40	12100053	67

INDEX - MODEL NUMBER

Model	Part	Page	Model	Part	Page	Model	Part	Page
PR-100-M-20	12100060	67	PVJS4S	72503126	47	S-2	72290043	75
PR-100-M-25	12100031	67	PVJS4T	72500602	46	S-3	72290044	75
PR-100-M-30	12100057	67	PVJS8B	72503123	46	S-4	12090056	76
PR-100-M-35	12100036	67	PVJS8R	72500601	46	S-5	72500937	75
PR-100-M-40	12100059	67	PVJS8S	72500924	46	S-7	72290041	75
PR-100-M-50	72130300	68	PVJS8T	72503124	46	S660	72503801	49
PRA1032	72500493	18	PVMBB	72503127	47	S670	72503800	49
PRAB170	72290006	18	PVMBR	72015008	47	S680	72500745	50
PRH-15	72015064	66	PVMBS	72015009	48	SA24B	72501233	53
PRH-20	72015065	66	PVMBT	72500603	47	SA24BV	72500969	54
PRH-25	72015066	66	PVMS25	12501250	52	SAT-2010-01	71240005	80
PRH-30	72015067	66	PVSV360B	72015010	48	SSP-BV-PL-55	72500323	14
PRH-35	12100039	67	PVSV360R	72015011	48	T125	72500346	18
PRL20PP	72500498	66	PVSV360S	12503128	49	T250	72015079	18
PRL25PP	72100064	66	PVSV360T	72015012	48	TF-A	72500566	44
PRP-30	72015063	66	QB2-16	72500774	35	TR1710-12-50NP	71581311	10
PRR06	71195028	54	QB2-16P	72503166	35	TR1710-12-100NP	71581320	10
PRR08	71195029	54	QB2-56	72500775	35	TR1710-18-50NP	71581323	10
PRR12	71195030	54	QB2-56P	72503172	35	TR1710-18-100NP	71500023	11
PRR18	72500515	54	QB2-96	72500773	35	TR1742-12-50NP	71581111	10
PRRAB06	72500516	54	QB2-96P	72503174	35	TR1742-12-100NP	71581120	10
PRRAB08	72500512	54	QB2-186	72503167	35	TR1742-18-50NP	71581023	10
PRRAB12	72500513	54	QB2-186P	72500972	35	TR1742-18-100NP	71581208	10
PRRAB18	72500740	55	QB416	72500771	34	TR1758-12-50NP	71581211	10
PS08	72500527	75	QB456	72500772	34	TR1758-12-100NP	71581220	10
PSA1032	72501232	53	QB496	72500770	34	TR1758-18-50NP	71581223	10
PVJ06F	71200061	22	RA250E	72500170	79	TR1758-18-100NP	71581308	10
PVJ06H	72500962	51	REA103B	72500521	79	VBK-1	12090028	76
PVJ06Q	72500964	51	RP	72501092	84	VBK-3/4	12030023	76
PVJM	72500965	51	PVJS4R	72503125	46	VBKV-1	12090002	76
PVJS4B	72503122	46	S-1	72290042	75	X250	72500957	18

PRODUCT WARRANTY

Limited Warranties – Manufacturing Defects

Subject to Product Limitations, Warranty Scope, Notification, Pro-Ration, and Conditions of Use herein stated, Jain Irrigation, Inc., a California Corporation, 2851 East Florence Avenue, Fresno, CA 93721, ("Jain"), is proud to provide a limited warranty of products manufactured and/or sold by Jain, for manufacturing defects in the workmanship and materials, from the original date of purchase.

Limited Warranties – Manufacturing Defects		
Product	Materials & Workmanship	Environmental Stress Cracking
Polyethylene Tubing ≥ .045" Wall Thickness	10 years	10 years
Polyethylene Tubing < .045" Wall Thickness	2 years	2 years
TOTAL CV Emitterline	5 years	10 years
All other Jain Manufactured Products	1 year	1 year

THIS IS THE ENTIRE EXCLUSIVE SCOPE OF THIS WARRANTY AND ANY PORTION HERE OF CANNOT BE ALTERED, WAIVED, EXTENDED, OR EXPANDED AND IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED, IMPLIED OR OTHERWISE COMMUNICATED, INCLUDING WARRANTIES OF MERCHANT ABILITY AND WARRANTIES OF FITNESS OF PARTICULAR USE.

Product Limitations

This warranty does not apply to those products, that have been subjected to pressure exceeding maximum operating, used in static flow or continuous pressure situations with no or de minimus flow, in use with heated water, in use to grow or propagate illegal plants, or in connection with a potable water service. Buyer is responsible and liable for accepting advice regarding the use of this product and does so at his own risk.

Notification

Jain must be notified within 72 hours of knowledge of product failure in writing, said writing being communicated in the most expedient manner to accomplished delivery to Jain within 72 hours of said product failure. Customer is to further provide Jain the opportunity to inspect the product within a reasonable amount of time in the condition and location of the product at the time of failure. Customer shall provide Jain access to any pumping, filtration and fertilizing means associated with the use of said product. Customer must obtain a Return Material Authorization (RMA) from Jain prior to return of any product to Jain, said product

being returned to Jain at the expense of the customer. Failure to obtain an RMA will void this warranty.

Scope of Warranty Liability

At the sole discretion of Jain, Jain shall have the option to repair or replace, part or all, of a defective product, or refund, partially or entirely, the original purchase price, if after inspection by Jain, subject to all other terms of this warranty, said defective product is proven to be defective in material or workmanship. Remedies provided herein this section shall be the only, exclusive and sole remedy of the purchaser of the product. Jain is not liable for and does not warranty any labor, including but not limited to, labor on installation or removal of defective product, operating costs, loss of sales or profits, crop or vegetation loss, or any other consequential, incidental or punitive damages of any type, whether foreseeable or not, resulting from the use of its products. Jain is not responsible for any incidental or consequential damages to any person, property, including personal property and residential structures, crop or landscaping resulting from the use of Jain products, and purchaser assumes all such risks. This warranty is not transferable and does not extend to those persons who did not directly purchase the product from Jain or from those vendors authorized to resell Jain product. Jain has only a 1 year warranty for workmanship to OEM customers.

Conditions of Use

Products intended for outdoor use only. Misuse, neglect, modification, unauthorized repair, accident, mishandling, insects, rodents, animals, installation not in accordance with Jain recommendations, mechanical damages, including but limited to mechanical installation of the product or use of mechanical equipment and devices in proximity to said products, misuse of products not sold or manufactured by Jain, but used in conjunction with Jain products or failure to use adequate filtration, whereby blockages and sediments contribute or cause product failure will void this warranty in its entirety. Use of chemicals, either naturally occurring or synthetically created, in concentrations above Jain recommended levels will void this warranty.

TERMS AND CONDITIONS

Order Acceptance

JAIN IRRIGATION, INC., a California corporation ("Seller"), reserves the right to accept or reject any order. Possession of a price list shall not be construed as an offer to sell the products listed therein. All orders accepted for shipment are subject to Seller's prior credit approval in its sole discretion. New customers seeking to establish a credit account are required to furnish a completed credit application along with any other information requested or required for credit review and approval. ALL SALES ARE FINAL. The laws of the State of California apply to all sales of products to customers. In the event of a conflict in any written terms or conditions, the terms and conditions set forth herein shall prevail over all inconsistent terms or conditions of customer. Customer's additional terms or conditions shall not apply without Seller's written consent thereto in each instance.

Terms of Payment

Terms are Net 30 days (OAC) or as agreed to by Seller in writing at the time of order acceptance. Customer agrees to pay all costs of collection, including attorneys' fees and costs, and the maximum interest allowed by law, incurred by Seller in the collection of past due balances.

Current Prices

All of Seller's products are sold at prices in effect at the time of order acceptance. Prices, discounts, and terms and conditions of sale are subject to change at any time without notice.

Cancellation

Custom products and made to order products cannot be canceled after order placement.

Shortage

Claims for shortages must be made within 10 days of receipt of the product. Customer assumes the responsibility to promptly inspect all shipments. Claims must be made in writing, and identify the invoice number and date shipped.

Freight & Delivery

All shipments are F.O.B. local stocking warehouse or manufacturing facility, as applicable. Title to the products, and risks of loss, passes to customer at the time of delivery by Seller to the freight carrier selected by Seller. Seller is not liable for loss or damage occurring during shipment; and customer assumes the responsibility to insure each shipment. Any claims for loss should be filed by customer with the freight carrier immediately upon notification. Date of delivery estimates are estimates made in good faith and are subject to delay due to government restrictions, failure of our suppliers to deliver, fire, strikes, power failures, Acts of God, or other causes beyond our reasonable control. Packaging of all products shall be at the discretion of Seller, unless otherwise agreed in writing.

Product Changes

Seller reserves the right to redesign, alter or modify its products without any liability for customer's or any third parties' existing inventory that may become obsolete as a result of such changes.

