

COMMERCIAL GAS & OIL BURNER

Selection Guide



Beckett

COMMERCIAL PRODUCTS

BECKETT COMMERCIAL PRODUCTS

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300,000 BTU's - 600,000 BTU's



Chassis	Control	Gas Train Size
CG10015	RM7897A	1"

Welded Insertions

Part #	Description	BTU's
51989915	Tube with Adjustable Flange, 10.1 head	300-400
51989919	Tube with Adjustable Flange, 10.3 head	400-600

When Quoting Conversion Burner:

- Do not quote for appliance that is older than 15 years.
- Please quote double action draft regulator, thermal safety switch and chamber kit.
- Please advise contractor that heat exchanger must be cleaned.
- Verify inlet gas pressure - 4" W.C. minimum to 14" W.C maximum (may need to add regulator).

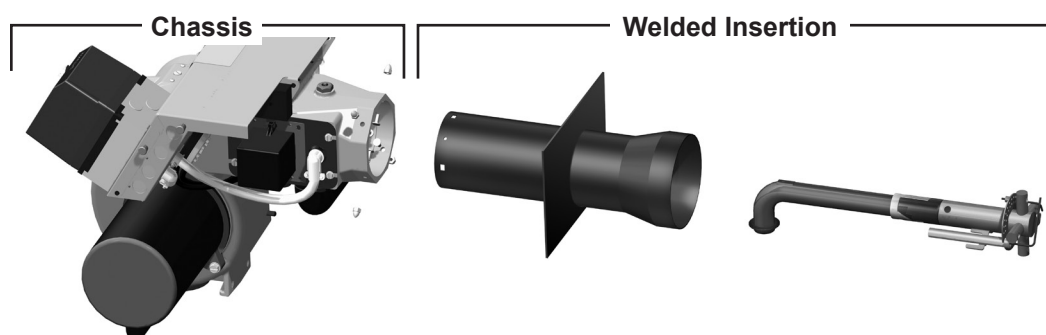
Commercial Gas Burner Selection Guide

When Ordering . . .

Please have part numbers (in blue fields) ready when ordering.

Burner Chassis is the fully assembled burner minus air tube, welded flange, and gas gun assembly.

Welded Insertion is the air tube with welded flange and gas gun assembly.



Commercial Gas Burner Chassis Specifications

Part Number	Burner Model	Rate Control	Control	Gas Train Size
CG10015	CG10	On / Off with LFS	RM7897A	1" UL 2 STG
CG10049	CG10	On / Off with LFS	Remote Panel PCL01	1" UL 2 STG
CG100143	CG10A	On / Off with LFS	RM7897A	1-1/4" UL 2 STG
CG10018	CG10A	On / Off with LFS	RM7897A	1" UL 2 STG
CG10045	CG10A	On / Off with LFS	Remote Panel PCL01	1" UL 2 STG
CG10022	CG10B	On / Off with LFS	RM7897A	1" UL 2 STG
*CG150210	CG15	Low/High/Low	RM7897C	1" UL 2 STG
CG150229	CG15	Low/High/Low	RM7897C	1-1/4" UL 2 STG
*CG150242	CG15	Low/High/Low	RM7897C	1-1/4" UL 2 STG
CG150245	CG15	Low/High/Low	RM7897C	1-1/2" UL 2 STG
*CG250216	CG25	Low/High/Low	RM7897C	1-1/2" UL 2 STG
CG250232	CG25	Low/High/Low	RM7897C	2" UL 2 STG
CG250256	CG25	Low/High/Low	RM7897C	1-1/2" UL 2 STG
CG500226	CG50 (208-230V 3Ph)	Low/High/Low	RM7897C	2-1/2" UL 2 STG
CG500238	CG50 (208-230V 3Ph)	Low/High/Low	RM7897C	2" UL 2 STG
CG500239	CG50 (208V 1Ph)	Low/High/Low	RM7897C	2" UL 2 STG
CG500248	CG50 (208V 1Ph)	Low/High/Low	RM7897C	2" UL 5psi Gas Train
CG500265	CG50 (208V 1Ph)	Low/High/Low	RM7897C	2-1/2" UL 2 STG
*CG500281	CG50	Low/High/Low	RM7897C	1-1/2" UL 2 STG

*Indicates Gas Train will not meet **MASS CODE**

Aldrich - WHG Series

Standard Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min Gas Supply	Gas Train Size	Welded Insertion
WHG-38	CG10015	405	CG10	10.1	2.50	3.90	1"	Call RWB
WHG-47	CG10015	495	CG10	10.2	2.50	4.00	1"	Call RWB
WHG-56	CG10022	585	CG10B	10.3	2.10	4.27	1"	Call RWB
WHG-64	CG10022	675	CG10B	10.4	2.75	4.60	1"	Call RWB
WHG-77	CG10022	810	CG10B	10.5	3.70	5.50	1"	Call RWB
WHG-95	CG10022	990	CG10B	10.6	3.60	5.69	1"	Call RWB
WHG-110	CG150242	1170	CG15	15.2S	4.00	5.47	1 1/4"	Call RWB
WHG-129	CG150242	1350	CG15	15.3S	3.80	5.80	1 1/4"	Call RWB
WHG-150	CG250216	1750	CG25	25.2S	3.90	6.53	1 1/2"	Call RWB

Armstrong - LG-14

Standard Gas Pressure Specs

Furnace Model	Part Number	Firing Rate	Burner Model	Head	*Manifold Pressure	*Minimum Gas Supply	Gas Train Size	Welded Insertion
280	CG10015	282	CG10	10.1	1.9	3.75	1"	51989180
350	CG10015	350	CG10	10.1	2.9	4.33	1"	51989180
420	CG10015	422	CG10	10.3	1.3	3.97	1"	51989181
500	CG10015	498	CG10	10.3	1.8	4.00	1"	51989181

Buderus - SB625WS & SB745WS Series

Standard Gas Pressure Specs

Boiler Model	Part Number	Firing Rate	Burner Model	Head	*Manifold Pressure	*Min Gas Supply	Gas Train Size	Welded Insertion
160	CG10022	563	CG10B	10.4	3.00	4.96	1"	51989113
220	CG10022	788	CG10B	10.5	4.08	5.40	1"	51989114
290	CG150242	1014	CG15	15.3S	3.48	6.53	1-1/4"	Call RWB
370	CG250216	1314	CG25	25.1S	4.55	6.98	1-1/2"	51989118
480	CG250216	1689	CG25	25.3S	4.31	5.95	1-1/2"	51989119
640	CG500281	2200	CG50	50.1S	5.21	6.34	1-1/2"	51989120
800	CG500265	3003	CG50	50.3S	2.80	3.56	2-1/2"	51989121
1050	CG500265	3754	CG50	50.4S	3.30	3.08	2-1/2"	51989122
1300	N/A	4692	N/A	N/A	N/A	N/A	N/A	N/A
1550	N/A	5443	N/A	N/A	N/A	N/A	N/A	N/A

*Pressure = Inches W.C. Maximum pressure is 14" W.C.

Buderus - G315, G515, G615 & SB Series

Standard Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	Min. Gas Supply	Gas Train Size	Welded Insertion
G315 Series	G315-5	CG10015	437	CG10	10.2	1.80	3.17	1"	51989075
	G315-6	CG10015	551	CG10	10.3	2.10	4.27	1"	51989076
	G315-7	CG10022	678	CG10B	10.4	3.60	5.91	1"	51989077
	G315-8	CG10022	800	CG10B	10.5	3.80	5.70	1"	51989078
	G315-9	CG10022	906	CG10B	10.6	3.90	5.80	1"	51989079
G515 Series	G515-7	CG150242	1,005	CG15	15.2S	4.10	5.55	1-1/4"	51989124
	G515-8	CG150242	1,199	CG15	15.4S	2.90	4.78	1-1/4"	51989125
	G515-9	CG250216	1,450	CG25	25.1S	3.90	5.28	1-1/2"	51989126
	G515-10	CG250216	1,641	CG25	25.2S	4.00	5.57	1-1/2"	51989104
	G515-11	CG250216	1,900	CG25	25.3S	4.20	6.01	1-1/2"	51989105
	G515-12	CG500239	2,208	CG50	50.1S	4.00	5.35	2"	51989106
G615 Series	G615-9	CG500239	2,331	CG50	50.1S	3.45	4.96	2"	51989107
	G615-10	CG500239	2,670	CG50	50.2S	3.65	5.40	2"	51989108
	G615-11	CG500239	3,031	CG50	50.3S	4.27	6.53	2"	51989109
	G615-12	CG500239	3,392	CG50	50.4S	4.60	6.98	2"	51989110
	G615-12	CG500265	3,392	CG50	50.4S	4.60	5.95	2-1/2"	51989110
	G615-13	CG500265	3,753	CG50	50.4S	4.15	6.34	2-1/2"	51989110
	G615-14	CG500265	4,134	CG50	50.5S	4.60	7.27	2-1/2"	51989111
SB Series	SB-145	CG10015	497	CG10	10.3S	1.80	3.56	1"	51989112
	SB-185	CG10022	644	CG10B	10.4S	1.70	3.08	1"	51989113
	SB-240	CG10022	835	CG10B	10.5S	2.00	3.62	1"	51989114
	SB-240	CG150210	835	CG15	15.1S	3.90	5.52	1"	51989115
	SB-310	CG10018	1,080	CG10A	10.6S	2.40	4.67	1"	51989116
	SB-310	CG150242	1,080	CG15	15.3S	3.40	5.67	1-1/4"	51989117
	SB-400	CG250216	1,393	CG25	25.1S	4.10	5.38	1-1/2"	51989118
	SB-510	CG250216	1,776	CG25	25.3S	4.10	5.93	1-1/2"	51989119
	SB-640	CG500239	2,214	CG50	50.1S	4.10	5.46	2"	51989120
	SB-790	CG500239	2,802	CG50	50.3S	3.90	5.82	2"	51989121
	SB-970	CG500265	3,378	CG50	50.4S	4.30	6.08	2-1/2"	51989122
	SB-1200	CG500265	4,162	CG50	50.5S	5.00	7.67	2-1/2"	51989123

Maximum pressure is 14" w.c.

Burnham - V9A, V11, MPC Series

Standard Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
V9A Series	V903A	CG10015	442	CG10	10.1	2.50	3.90	1"	51989001
	V904A	CG10018	618	CG10A	10.4S	2.60	4.44	1"	51989002
	V905A	CG10018	811	CG10A	10.5S	3.70	4.94	1"	51989003
	V906A	CG100143	1,010	CG10A	10.6S	4.00	5.99	1-1/4"	51989004
	V907A	CG150242	1,192	CG15	15.3S	3.10	4.96	1-1/4"	51989005
	V908A	CG150242	1,381	CG15	15.4S	3.30	5.59	1-1/4"	51989006
	V909A	CG250216	1,674	CG25	25.2S	3.40	5.03	1-1/2"	51989007
	V910A	CG250216	1,905	CG25	25.3S	3.44	5.26	1-1/2"	51989008
	V911A	CG250216	2,108	CG25	25.4S	3.00	5.33	1-1/2"	51989009
	V912A	CG500281	2,360	CG50	50.2S	2.10	4.49	1-1/2"	51989010
V11 Series	V1104	CG10018	845	CG10A	10.6S	3.30	5.66	1"	51989011
	V1105	CG100143	1,078	CG10A	10.6S	4.75	6.40	1-1/4"	51989011
	V1106	CG150242	1,343	CG15	15.4S	3.55	5.72	1-1/4"	51989012
	V1107	CG250216	1,588	CG25	25.2S	3.10	4.57	1-1/2"	51989013
	V1108	CG250216	1,876	CG25	25.3S	3.36	5.41	1-1/2"	51989014
	V1109	CG250216	2,136	CG25	25.4S	3.32	5.36	1-1/2"	51989015
	V1110	CG250216	2,396	CG25	25.5S	2.94	5.51	1-1/2"	51989016
	V1111	CG500239	2,710	CG50	50.2S	2.95	4.76	2"	51989017
	V1112	CG500239	2,915	CG50	50.3S	2.50	4.58	2"	51989018
	V1113	CG500239	3,103	CG50	50.3S	3.40	5.77	2"	51989018
	V1114	CG500239	3,392	CG50	50.4S	2.97	5.80	2"	51989019
	V1115	CG500239	3,392	CG50	50.4S	2.95	6.28	2"	51989019
	V1115	CG500265	3,392	CG50	50.4S	2.95	5.06	2-1/2"	51989019
	V1116	CG500239	3,897	CG50	50.5S	3.00	6.73	2"	51989019
	V1116	CG500265	3,897	CG50	50.5S	3.00	5.37	2-1/2"	51989019
	V1117	CG500265	4,186	CG50	50.5S	3.44	6.17	2-1/2"	51989020
	V1118	CG500265	4,474	CG50	50.5S	3.85	6.97	2-1/2"	51989020
	V1119	CG500265	4,713	CG50	50.5S	4.15	7.42	2-1/2"	51989020
MPC Series	MPC-4	CG10015	551	CG10	10.3	1.80	3.51	1"	51989081
	MPC-5	CG10018	773	CG10A	10.5S	3.20	5.32	1"	51989082
	MPC-6	CG150242	995	CG15	15.2S	3.15	4.86	1-1/4"	51989083
	MPC-7	CG150242	1,216	CG15	15.3S	3.50	5.86	1-1/4"	51989084
	MPC-8	CG250216	1,438	CG25	25.1S	3.60	5.47	1-1/2"	51989085
	MPC-9	CG250216	1,660	CG25	25.2S	3.57	5.23	1-1/2"	51989086
	MPC-10	CG250216	1,881	CG25	25.3S	3.40	5.17	1-1/2"	51989087
	MPC-11	CG250216	2,103	CG25	25.4S	3.60	5.81	1-1/2"	51989088
	MPC-12	CG250216	2,325	CG25	25.4S	4.00	6.41	1-1/2"	51989088
	MPC-13	CG500239	2,547	CG50	50.2S	3.60	5.08	2"	51989089
	MPC-14	CG500239	2,769	CG50	50.3S	3.40	5.12	2"	51989080
	MPC-15	CG500239	2,991	CG50	50.3S	4.00	6.00	2"	51989080
	MPC-16	CG500265	3,213	CG50	50.3S	4.30	6.61	2-1/2"	51989080
	MPC-17	CG500265	3,435	CG50	50.4S	4.00	6.68	2-1/2"	51989090
	MPC-18	CG500265	3,657	CG50	50.4S	4.90	6.81	2-1/2"	51989090

Burnham - V9A, V11, MPC Series

Low Gas Pressure Specs

	Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	Min.Gas Supply	Gas Train Size	Welded Insertion
V9A Series	V903A	CG10015	442	CG10	10.1	2.50	3.90	1"	51989001
	V904A	CG100143	618	CG10A	10.4S	2.60	3.89	1-1/4"	51989002
	V905A	CG100143	811	CG10A	10.6S	2.10	3.23	1-1/4"	51989004
	V906A	CG150242	1,010	CG15	15.3S	2.10	4.09	1-1/4"	51989005
	V907A	CG150242	1,192	CG15	15.4S	2.25	4.11	1-1/4"	51989006
	V908A	CG250216	1,381	CG25	25.2S	2.10	3.58	1-1/2"	51989007
	V909A	CG250216	1,674	CG25	25.3S	2.30	3.73	1-1/2"	51989008
	V910A	CG250216	1,905	CG25	25.4S	2.25	4.07	1-1/2"	51989009
	V911A	CG250232	2,108	CG25	25.4S	3.00	4.23	2"	51989009
	V912A	CG500239	2,360	CG50	50.2S	2.10	3.58	2"	51989010
V11 Series	V1104	CG100143	845	CG10A	10.6S	3.30	5.00	1-1/4"	51989094
	V1105	CG150242	1,078	CG15	15.4S	2.55	4.20	1-1/4"	51989012
	V1106	CG250216	1,343	CG25	25.2S	2.60	4.00	1-1/2"	51989013
	V1107	CG250216	1,588	CG25	25.3S	2.40	3.87	1-1/2"	51989014
	V1108	CG250216	1,876	CG25	25.4S	2.25	4.30	1-1/2"	51989015
	V1109	CG250216	2,136	CG25	25.5S	2.00	4.00	1-1/2"	51989016
	V1110	CG500239	2,396	CG50	50.2S	2.50	4.10	2"	51989017
	V1111	CG500239	2,710	CG50	50.3S	2.25	4.06	2"	51989018
	V1112	CG500265	2,915	CG50	50.3S	2.50	3.82	2-1/2"	51989018
	V1113	CG500265	3,103	CG50	50.4S	2.30	3.80	2-1/2"	51989019
	V1114	CG500265	3,392	CG50	50.5S	1.90	3.70	2-1/2"	51989020
	V1115	CG500265	3,392	CG50	50.5S	2.25	4.36	2-1/2"	51989020
MPC Series	MPC-4	CG10015	551	CG10	10.3	1.80	3.51	1"	51989081
	MPC-5	CG100143	773	CG10A	10.6S	2.20	3.85	1-1/4"	51989127
	MPC-6	CG150245	995	CG15	15.3S	2.40	3.35	1-1/2"	51989083
	MPC-7	CG150245	1,216	CG15	15.4S	2.60	3.54	1-1/2"	51989128
	MPC-8	CG250232	1,438	CG25	25.2S	2.90	4.10	2"	51989086
	MPC-9	CG250232	1,660	CG25	25.3S	2.75	4.08	2"	51989087
	MPC-10	CG250232	1,881	CG25	25.5S	2.60	3.75	2"	51989088
	MPC-11	CG250232	2,103	CG25	25.5S	2.50	3.58	2"	51989129
	MPC-12	CG250232	2,325	CG25	25.5S	2.90	4.22	2"	51989129
	MPC-13	CG500265	2,547	CG50	50.3S	2.90	4.00	2-1/2"	51989080
	MPC-14	CG500265	2,769	CG50	50.3S	3.40	4.56	2-1/2"	51989080
	MPC-15	CG500265	2,991	CG50	50.4S	3.30	4.65	2-1/2"	51989090
	MPC-16	CG500265	3,213	CG50	50.4S	3.65	5.19	2-1/2"	51989090
	MPC-17	CG500265	3,435	CG50	50.5S	3.20	5.02	2-1/2"	51989020

Maximum pressure is 14" w.c.

Burnham - C Series Steel Boiler

Standard Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
20	CG150242	840	CG15	15.1S	3.20	4.34	1-1/4"	51989094
30	CG150242	1260	CG15	15.3S	3.50	5.59	1-1/4"	51989083
40	CG250216	1680	CG25	25.2S	3.40	5.03	1-1/2"	51989087
50	CG250216	2,100	CG25	25.5S	2.50	4.70	1-1/2"	51989129
60	CG500239	2,520	CG50	50.2S	3.50	4.76	2"	51989089
70	CG500239	2,940	CG50	50.3S	3.40	5.77	2"	51989080
80	CG500239	3,360	CG50	50.4S	2.95	6.28	2"	51989090
80	CG500265	3,360	CG50	50.4S	2.95	5.06	2-1/2"	51989090
90	CG500265	3,780	CG50	50.4S	4.50	6.60	2-1/2"	51989090
100	CG500265	4,200	CG50	50.5S	5.50	8.00	2-1/2"	51989020

Columbia - MPH Series Steel Boiler

Standard Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
20	CG10018	840	CG10	10.5	4.10	5.98	1"	51989150
20	CG150242	840	CG15	15.1S	3.70	5.64	1 1/4"	51989151
30	CG150242	1,260	CG15	15.3S	3.80	5.76	1 1/4"	51989152
40	CG250216	1,680	CG25	25.2S	4.00	5.55	1 1/2"	51989153
50	CG250216	1,913	CG25	25.4S	3.60	5.69	1 1/2"	51989154
60	CG500239	2,311	CG50	50.2S	4.00	5.47	2"	51989155
70	CG500239	2,940	CG50	50.3S	3.80	5.80	2"	51989156
80	CG500239	3,360	CG50	50.4S	3.90	6.53	2"	51989157
90	CG500265	3,609	CG50	50.4S	4.30	6.40	2 1/2"	51989157

Maximum pressure is 14" w.c.

Crown - 24, FW Series

Standard Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
24 Series	24-3	CG10015	442	CG10	10.1	2.50	3.90	1"	51989001
	24-4	CG10018	618	CG10A	10.4S	2.60	4.44	1"	51989002
	24-5	CG10018	811	CG10A	10.5S	3.70	4.94	1"	51989003
	24-6	CG100143	1,010	CG10A	10.6S	4.00	5.99	1-1/4"	51989004
	24-7	CG150242	1,192	CG15	15.3S	3.10	4.96	1-1/4"	51989005
	24-8	CG150242	1,381	CG15	15.4S	3.30	5.59	1-1/4"	51989006
	24-9	CG250216	1,674	CG25	25.2S	3.40	5.03	1-1/2"	51989007
	24-10	CG250216	1,905	CG25	25.3S	3.44	5.26	1-1/2"	51989008
	24-11	CG250216	2,108	CG25	25.4S	3.00	5.33	1-1/2"	51989009
	24-12	CG500281	2,360	CG50	50.2S	2.10	4.49	1-1/2"	51989010
FW Series	FW-4	CG10015	433	CG10	10.3	2.00	3.08	1"	51989138
	FW-5	CG10022	577	CG10B	10.4	1.80	3.53	1"	51989139
	FW-6	CG10022	723	CG10B	10.5	1.90	3.69	1"	51989140
	FW-7	CG150229	850	CG15	15.1	2.10	4.00	1 1/4"	51989179

Crown - 24, FW Series

Low Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
24 Series	24-3	CG10015	442	CG10	10.1	2.50	3.90	1"	51989001
	24-4	CG100143	618	CG10A	10.4S	2.60	3.89	1-1/4"	51989002
	24-5	CG100143	811	CG10A	10.6S	2.10	3.23	1-1/4"	51989004
	24-6	CG150242	1,010	CG15	15.3S	2.10	4.09	1-1/4"	51989005
	24-7	CG150242	1,192	CG15	15.4S	2.25	4.11	1-1/4"	51989006
	24-8	CG250216	1,381	CG25	25.2S	2.10	3.58	1-1/2"	51989007
	24-9	CG250216	1,674	CG25	25.3S	2.30	3.73	1-1/2"	51989008
	24-10	CG500239	1,905	CG50	25.4S	2.25	4.07	1-1/2"	51989009
	24-11	CG250232	2,108	CG25	25.4S	3.00	4.23	2"	51989009
	24-12	CG500239	2,360	CG50	50.2S	2.10	3.58	2"	51989010
FW Series	FW-4	CG10015	433	CG10	10.3	2.00	3.08	1"	51989138
	FW-5	CG10022	577	CG10B	10.4	1.80	3.53	1"	51989139
	FW-6	CG10022	723	CG10B	10.5	1.90	3.69	1"	51989140

Maximum pressure is 14" w.c.

DeDietrich - GT330A, GT430 Series

Standard Gas Pressure Specs

	Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
GT330A Series	GT334A	CG10015	392	CG10	10.1	2.64	4.40	1"	51989143
	GT335A	CG10015	574	CG10	10.3	2.54	4.33	1"	51989178
	GT336A	CG10022	784	CG10B	10.6S	2.67	4.19	1"	51989145
	GT337A	CG150242	994	CG15	15.3S	3.05	4.53	1-1/4"	51989146
	GT338A	CG150242	1,190	CG15	15.4S	3.54	5.77	1-1/4"	51989147
	GT339A	CG250216	1,400	CG25	25.2S	3.65	5.02	1-1/2"	51989148
GT430 Series	GT430-8A	CG250216	1,680	CG25	25.3S	2.84	4.58	1-1/2"	51989158
	GT430-9A	CG250216	1,890	CG25	25.4S	3.10	5.00	1-1/2"	51989159
	GT430-10A	CG250216	2,212	CG25	25.5S	2.90	5.22	1-1/2"	51989160
	GT430-11A	CG500239	2,492	CG50	50.3S	3.00	4.43	2"	51989161
	GT430-12A	CG500239	2,744	CG50	50.3S	3.40	5.77	2"	51989161
	GT430-13A	CG500239	3,010	CG50	50.4S	3.35	5.02	2"	51989162
	GT430-14A	CG500239	3,290	CG50	50.5S	3.00	5.83	2"	51989163

Maximum pressure is 14" w.c.

H.B. Smith - 19A, 19AHE, 28A, 28HE Series

Standard Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
19A Series	19A/HE-3	CG10015	369	CG10	10.1	2.20	3.66	1"	51989037
	19A/HE-4	CG10015	523	CG10	10.3	2.30	3.61	1"	51989038
	19A/HE-5	CG10022	728	CG10B	10.4	2.10	3.75	1"	51989073
	19A/HE-6	CG10022	942	CG10B	10.6	2.25	5.22	1"	51989074
	19A/HE-7	CG150242	1,160	CG15	15.2S	4.10	6.03	1-1/4"	51989039
	19A/HE-8	CG150242	1,328	CG15	15.3S	4.00	6.12	1-1/4"	51989040
	19A/HE-9	CG250216	1,558	CG25	25.1S	4.20	5.80	1-1/2"	51989041
	19A/HE-10	CG250216	1,762	CG25	25.2S	3.80	5.60	1-1/2"	51989042
	19A/HE-11	CG250216	2,006	CG25	25.3S	3.90	5.92	1-1/2"	51989043
	19A/HE-12	CG250216	2,157	CG25	25.4S	3.50	5.84	1-1/2"	51989044
28 Series	28-4	CG150242	1,156	CG15	15.2S	4.40	6.32	1-1/4"	51989045
	28-5	CG250216	1,506	CG25	25.2S	2.95	4.44	1-1/2"	51989046
	28-6	CG250216	1,833	CG25	25.3S	3.15	5.10	1-1/2"	51989047
	28-7	CG250216	2,182	CG25	25.4S	3.45	5.84	1-1/2"	51989048
	28-8	CG250216	2,527	CG25	25.5S	3.30	4.74	1-1/2"	51989049
	28-9	CG500239	2,862	CG50	50.3S	2.55	4.56	2"	51989050
	28-10	CG500239	3,222	CG50	50.3S	3.30	5.85	2"	51989050
	28-11	CG500239	3,521	CG50	50.4S	3.00	6.05	2"	51989051
	28-12	CG500239	3,918	CG50	50.5S	3.00	6.58	2"	51989052
	28-13	CG500265	4,199	CG50	50.5S	3.20	5.95	2-1/2"	51989052
	28-14	CG500265	4,538	CG50	50.5S	4.00	7.01	2-1/2"	51989052
28HE Series	28HE-4	CG150242	1,146	CG15	15.2S	4.55	6.47	1-1/4"	51989045
	28HE-5	CG250216	1,467	CG25	25.2S	2.90	4.39	1-1/2"	51989046
	28HE-6	CG250216	1,794	CG25	25.3S	3.15	5.10	1-1/2"	51989047
	2HE8-7	CG250216	2,097	CG25	25.4S	3.35	5.74	1-1/2"	51989048
	28HE-8	CG250216	2,411	CG25	25.5S	3.25	6.11	1-1/2"	51989049
	28HE-9	CG500239	2,724	CG50	50.3S	3.80	4.26	2"	51989050
	28HE-10	CG500239	3,081	CG50	50.3S	3.50	5.55	2"	51989050
	28HE-11	CG500239	3,396	CG50	50.4S	3.20	5.85	2"	51989051
	28HE-12	CG500239	3,679	CG50	50.5S	3.70	6.58	2"	51989052
	28HE-13	CG500265	3,982	CG50	50.5S	3.20	5.80	2-1/2"	51989052
	28HE-14	CG500265	4,299	CG50	50.5S	3.70	6.66	2-1/2"	51989052

Maximum pressure is 14" w.c.

H.B. Smith - 19A, 19AHE, 28A, 28HE Series

Low Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
19A Series	19A/HE-3	CG10015	369	CG10	10.1	2.20	3.66	1"	51989037
	19A/HE-4	CG10015	523	CG10	10.3	2.30	3.61	1"	51989038
	19A/HE-5	CG10022	728	CG10B	10.4	2.10	3.75	1"	51989073
	19A/HE-6	CG10022	942	CG10B	10.6	2.25	5.22	1"	51989074
	19A/HE-7	CG150242	1,160	CG15	15.3S	2.50	4.43	1-1/4"	51989040
	19A/HE-8	CG150242	1,328	CG15	15.4S	2.80	4.92	1-1/4"	51989095
	19A/HE-8	CG150245	1,328	CG15	15.4S	2.80	3.94	1-1/2"	51989095
	19A/HE-9	CG250216	1,558	CG25	25.2S	2.60	4.16	1-1/2"	51989042
	19A/HE-10	CG250216	1,762	CG25	25.3S	2.40	4.20	1-1/2"	51989043
	19A/HE-11	CG250216	2,006	CG25	25.4S	2.50	4.52	1-1/2"	51989044
	19A/HE-11	CG250232	2,006	CG25	25.4S	2.50	3.49	2"	51989044
	19A/HE-12	CG250216	2,157	CG25	25.5S	2.00	4.09	1-1/2"	51989096
	19A/HE-12	CG250232	2,157	CG25	25.5S	2.00	3.14	2"	51989096
28 Series	28-4	CG150242	1,156	CG15	15.4S	2.10	4.02	1-1/4"	51989097
	28-5	CG250216	1,506	CG25	25.3S	2.50	3.96	1-1/2"	51989047
	28-6	CG250216	1,833	CG25	25.4S	2.10	3.79	1-1/2"	51989048
	28-7	CG250232	2,182	CG25	25.5S	2.70	4.05	2"	51989049
	28-8	CG500239	2,527	CG50	50.2S	2.70	4.19	2"	51989099
	28-9	CG500239	2,862	CG50	50.4S	2.00	4.01	2"	51989051
	28-10	CG500265	3,222	CG50	50.4S	2.25	3.87	2-1/2"	51989051
	28-11	CG500265	3,521	CG50	50.5S	2.10	4.03	2-1/2"	51989052
28HE Series	28HE-4	CG150242	1,146	CG15	15.4S	2.10	6.47	1-1/4"	51989097
	28HE-5	CG250216	1,467	CG25	25.3S	2.50	4.39	1-1/2"	51989047
	28HE-6	CG250216	1,794	CG25	25.4S	2.10	5.10	1-1/2"	51989048
	28HE-7	CG250232	2,097	CG25	25.5S	2.50	3.75	2"	51989049
	28HE-8	CG500239	2,411	CG50	50.2S	2.70	4.26	2"	51989099
	28HE-9	CG500239	2,724	CG50	50.4S	2.00	4.26	2"	51989051
	28HE-10	CG500265	3,081	CG50	50.4S	2.25	5.55	2-1/2"	51989051
	28HE-11	CG500265	3,396	CG50	50.5S	2.10	5.85	2-1/2"	51989052

Maximum pressure is 14" w.c.

Hurst - 200, 300, 400, 250, LPW, LPE Series

Standard Gas Pressure Specs

	Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
200 and 300 Series	20 HP	CG150242	840	CG15	15.2S	3.60	4.80	1-1/4"	51989165
	30 HP	CG150242	1260	CG15	15.3S	3.75	5.84	1-1/4"	51989166
	40 HP	CG250216	1680	CG25	25.3S	3.80	5.43	1-1/2"	51989170
	50 HP	CG250216	2,100	CG25	25.5S	3.50	5.04	1-1/2"	51989172
	55 HP	CG250216	2,310	CG25	25.5S	3.80	6.19	1-1/2"	51989172
	60 HP	CG500239	2,520	CG50	50.2S	3.85	5.81	2"	51989173
	70 HP	CG500239	2,940	CG50	50.3S	3.80	6.07	2"	51989174
	80 HP	CG500265	3,360	CG50	50.4S	3.90	6.06	2-1/2"	51989175
	90 HP	CG500265	3,780	CG50	50.5S	3.75	6.01	2-1/2"	51989176
	100 HP	CG500265	4,200	CG50	50.5S	4.50	7.25	2-1/2"	51989176
400 Series	30 HP	CG150242	1,100	CG15	15.2S	3.50	5.59	1-1/4"	51989165
	40 HP	CG250216	1,440	CG25	25.2S	3.40	5.03	1-1/2"	51989169
	50 HP	CG250216	1,960	CG25	25.4S	3.00	4.99	1-1/2"	51989171
	60 HP	CG500239	2,550	CG50	50.2S	3.50	4.76	2"	51989173
	70 HP	CG500239	2,550	CG50	50.2S	3.50	4.76	2"	51989173
	80 HP	CG500239	2,905	CG50	50.3S	2.95	6.28	2"	51989174
	100 HP	CG500265	4,018	CG50	50.4S	3.60	6.36	2-1/2"	51989175
250 Series	20 HP	CG150242	840	CG15	15.3S	3.50	4.73	1-1/4"	51989166
	30 HP	CG150242	1,260	CG15	15.3S	4.30	6.21	1-1/4"	51989166
	40 HP	CG250216	1,680	CG25	25.3S	4.20	5.84	1-1/2"	51989170
	50 HP	CG250216	2,100	CG25	25.5S	4.00	6.01	1-1/2"	51989172
	55 HP	CG250216	2,310	CG25	25.5S	4.30	6.31	1-1/2"	51989172
	60 HP	CG500239	2,520	CG50	50.2S	4.00	5.57	2"	51989173
	70 HP	CG500239	2,940	CG50	50.4S	3.99	6.12	2"	51989175
	80 HP	CG500265	3,360	CG50	50.5S	4.00	5.76	2-1/2"	51989176
	90 HP	CG500265	3,780	CG50	50.5S	4.30	6.53	2-1/2"	51989176
	100 HP	CG500265	4,200	CG50	50.5S	5.00	7.75	2-1/2"	51989176
LPW and LPE Series	20	CG150242	840	CG15	15.1S	3.20	4.34	1-1/4"	51989164
	30	CG150242	1,260	CG15	15.3S	3.50	5.59	1-1/4"	51989166
	40	CG250216	1,680	CG25	25.2S	3.40	5.03	1-1/2"	51989169
	50	CG250216	2,100	CG25	25.5S	2.50	4.70	1-1/2"	51989172
	60	CG500239	2,520	CG50	50.2S	3.50	4.76	2"	51989173
	70	CG500239	2,940	CG50	50.3S	3.40	5.77	2"	51989174
	80	CG500239	3,360	CG50	50.4S	2.95	6.28	2"	51989175
	90	CG500265	3,780	CG50	50.4S	3.50	5.73	2-1/2"	51989175
	100	CG500265	4,200	CG50	50.5S	3.60	6.36	2-1/2"	51989176

Maximum pressure is 14" w.c.

Peerless - SC, LC, TC Series

Standard Gas Pressure Specs

	Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
SC Series	SC05	CG10015	444	CG10	10.1	3.00	4.40	1"	51989053
	SC06	CG10015	491	CG10	10.3	2.00	3.72	1"	51989054
	SC07	CG10015	569	CG10	10.3	2.70	4.26	1"	51989054
	SC08	CG10018	656	CG10A	10.4	3.40	5.47	1"	51989056
	SC09	CG10018	741	CG10A	10.4	4.20	6.03	1"	51989056
	SC10	CG10018	802	CG10A	10.5	3.90	6.04	1"	51989058
LC Series	LC04	CG10018	691	CG10A	10.5S	3.20	5.49	1"	51989059
	LC05	CG150242	881	CG15	15.2S	2.90	4.25	1-1/4"	51989060
	LC06	CG150242	1,086	CG15	15.2S	3.90	5.60	1-1/4"	51989060
	LC07	CG150242	1,280	CG15	15.3S	3.65	5.59	1-1/4"	51989061
	LC08	CG250216	1,469	CG25	25.1S	3.40	4.79	1-1/2"	51989062
	LC09	CG250216	1,664	CG25	25.2S	3.40	5.01	1-1/2"	51989063
	LC10	CG250216	1,860	CG25	25.3S	3.10	5.11	1-1/2"	51989064
	LC11	CG250232	2,059	CG25	25.4S	3.10	5.23	2"	51989065
	LC12	CG250232	2,278	CG25	25.5S	2.90	5.22	2"	51989066
	LC13	CG500239	2,460	CG50	50.2S	2.70	4.19	2"	51989067
	LC14	CG500239	2,657	CG50	50.2S	3.50	5.24	2"	51989067
	LC15	CG500239	2,850	CG50	50.3S	2.90	4.89	2"	51989068
	LC16	CG500239	3,043	CG50	50.3S	3.20	5.47	2"	51989068
	LC17	CG500239	3,236	CG50	50.3S	3.50	6.08	2"	51989068
	LC18	CG500239	3,451	CG50	50.4S	3.05	5.98	2"	51989069
	LC19	CG500239	3,622	CG50	50.4S	3.20	6.43	2"	51989069
	LC19	CG500265	3,622	CG50	50.4S	3.20	5.43	2-1/2"	51989069
	LC20	CG500265	3,815	CG50	50.4S	3.70	5.97	2-1/2"	51989069
	LC21	CG500265	4,027	CG50	50.5S	3.10	5.63	2-1/2"	51989070
	LC22	CG500265	4,239	CG50	50.5S	3.30	6.10	2-1/2"	51989070
	LC23	CG500265	4,450	CG50	50.5S	3.80	6.89	2-1/2"	51989070
TC Series	TC-04	CG150242	1,156	CG15	15.2S	4.40	6.32	1-1/4"	51989045
	TC-05	CG250216	1,506	CG25	25.2S	2.95	4.44	1-1/2"	51989046
	TC-06	CG250216	1,833	CG25	25.3S	3.15	5.10	1-1/2"	51989047
	TC-07	CG250216	2,182	CG25	25.4S	3.45	5.84	1-1/2"	51989048
	TC-08	CG250216	2,527	CG25	25.5S	3.30	6.16	1-1/2"	51989049
	TC-09	CG500239	2,862	CG50	50.3S	2.55	4.56	2"	51989050
	TC-10	CG500239	3,222	CG50	50.3S	3.30	5.85	2"	51989050
	TC-11	CG500239	3,521	CG50	50.4S	3.00	6.05	2"	51989051
	TC-12	CG500239	3,918	CG50	50.5S	3.00	6.58	2"	51989052
	TC-13	CG500265	4,199	CG50	50.5S	3.20	5.95	2-1/2"	51989052
	TC-14	CG500265	4,538	CG50	50.5S	3.80	7.01	2-1/2"	51989052

Maximum pressure is 14" w.c.

Peerless - SC, LC, TC Series

Low Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
SC Series	SC05	CG10015	444	CG10	10.1	3.00	4.40	1"	51989053
	SC06	CG10015	491	CG10	10.3	2.00	3.72	1"	51989054
	SC07	CG10015	569	CG10	10.3	2.70	4.26	1"	51989054
	SC08	CG10018	656	CG10A	10.5	2.20	3.63	1"	51989058
	SC08	CG100143	656	CG10A	10.5	2.20	2.95	1-1/4"	51989058
	SC09	CG10018	741	CG10A	10.5	2.60	4.43	1-1/4"	51989058
	SC09	CG100143	802	CG10A	10.5	2.60	3.56	1-1/2"	51989058
LC Series	LC04	CG10018	691	CG10A	10.5S	2.00	3.59	1"	51989059
	LC05	CG150242	881	CG15	15.2S	2.90	4.25	1-1/4"	51989060
	LC06	CG150242	1,086	CG15	15.3S	1.90	3.96	1-1/4"	51989061
	LC07	CG250216	1,280	CG25	25.1S	3.00	4.06	1-1/2"	51989062
	LC08	CG250216	1,469	CG25	25.2S	2.25	3.64	1-1/2"	51989063
	LC09	CG250216	1,664	CG25	25.3S	2.20	3.81	1-1/2"	51989064
	LC10	CG250216	1,860	CG25	25.4S	2.30	4.04	1-1/2"	51989065
	LC11	CG250232	2,059	CG25	25.4S	3.10	4.14	2"	51989065
	LC12	CG250232	2,278	CG25	25.5S	2.90	4.18	2"	51989066
	LC13	CG500239	2,460	CG50	50.2S	2.70	4.18	2"	51989067
	LC14	CG500239	2,657	CG50	50.3S	2.10	3.84	2"	51989068
	LC15	CG500239	2,850	CG50	50.3S	2.90	4.89	2"	51989068
	LC15	CG500265	2,850	CG50	50.3S	2.90	4.16	2-1/2"	51989068
	LC16	CG500239	3,043	CG50	50.4S	2.00	4.27	2"	51989069
	LC17	CG500265	3,236	CG50	50.4S	2.30	3.93	2-1/2"	51989069
	LC18	CG500265	3,451	CG50	50.5S	2.20	4.06	2-1/2"	51989070
	LC19	CG500265	3,622	CG50	50.5S	2.25	4.29	2-1/2"	51989070
TC Series	TC-04	CG150242	1,156	CG15	15.4S	2.10	4.02	1-1/4"	51989097
	TC-05	CG250216	1,506	CG25	25.3S	2.50	3.96	1-1/2"	51989047
	TC-06	CG250216	1,833	CG25	25.4S	2.10	3.79	1-1/2"	51989048
	TC-07	CG250245	2,182	CG25	25.5S	2.70	4.05	2"	51989049
	TC-08	CG500239	2,527	CG50	50.2S	2.70	4.19	2"	51989099
	TC-09	CG500239	2,862	CG50	50.4S	2.00	4.01	2"	51989051
	TC-10	CG500265	3,222	CG50	50.4S	2.25	3.87	2-1/2"	51989051
	TC-11	CG500265	3,521	CG50	50.5S	2.10	4.03	2-1/2"	51989052

Maximum pressure is 14" w.c.

Peerless - TCII Series

Standard Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
TCII-04	CG150242	1146	CG15	15.2S	4.55	6.47	1-1/4"	51989045
TCII-05	CG250216	1467	CG25	25.2S	2.90	4.39	1-1/2"	51989046
TCII-06	CG250216	1794	CG25	25.3S	3.15	5.10	1-1/2"	51989047
TCII-07	CG250216	2,097	CG25	25.4S	3.35	5.74	1-1/2"	51989048
TCII-08	CG250216	2,411	CG25	25.5S	3.25	6.11	1-1/2"	51989049
TCII-09	CG500239	2,724	CG50	50.3S	3.80	4.26	2"	51989050
TCII-10	CG500239	3,081	CG50	50.3S	3.50	5.55	2"	51989050
TCII-11	CG500239	3,396	CG50	50.4S	3.20	5.85	2"	51989051
TCII-12	CG500239	3,679	CG50	50.5S	3.70	6.58	2"	51989052
TCII-13	CG500265	3,982	CG50	50.5S	3.20	5.80	2-1/2"	51989052
TCII-14	CG500265	4,299	CG50	50.5S	3.70	6.66	2-1/2"	51989052

Peerless - TCII Series

Low Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
TCII-04	CG150242	1,146	CG15	15.4S	2.10	6.47	1-1/4"	51989097
TCII-05	CG250216	1,467	CG25	25.3S	2.50	4.39	1-1/2"	51989047
TCII-06	CG250216	1,794	CG25	25.4S	2.10	5.10	1-1/2"	51989048
TCII-07	CG250232	2,097	CG25	25.5S	2.50	3.75	2"	51989049
TCII-08	CG500239	2,411	CG50	50.2S	2.70	4.26	2"	51989099
TCII-09	CG500239	2,724	CG50	50.4S	2.00	4.26	2"	51989051
TCII-10	CG500265	3,081	CG50	50.4S	2.25	5.55	2-1/2"	51989051
TCII-11	CG500265	3,396	CG50	50.5S	2.10	5.85	2-1/2"	51989052

Maximum pressure is 14" w.c.

Weil McLain - 80, 88 Series 1 & Series 2

Standard Gas Pressure Specs

Boiler Model		Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
80 Series	380	CG10015	336	CG10	10.1	1.80	3.01	1"	51989021
	480	CG10015	491	CG10	10.3	1.45	3.17	1"	51989022
	580	CG10018	639	CG10A	10.4	3.11	5.07	1"	51989023
	680	CG10018	787	CG10A	10.5	3.30	5.36	1"	51989024
	780	CG10018	943	CG10A	10.6	3.20	5.27	1"	51989025
	880	CG100143	1,067	CG10A	10.6	4.10	6.32	1- 1/4"	51989025
	980	CG150242	1,230	CG15	15.3S	3.49	5.31	1-1/4"	51989026
	1080	CG150242	1,392	CG15	15.4S	3.00	5.33	1-1/4"	51989027
	1180	CG250216	1,526	CG25	25.2S	2.83	4.33	1-1/2"	51989028
	1280	CG250216	1,670	CG25	25.2S	3.10	4.72	1-1/2"	51989028
88 Series 1	488	CG10018	995	CG10A	10.6S	3.38	6.10	1"	51989029
	588	CG250216	1,382	CG25	25.1S	3.20	4.33	1-1/2"	51989030
	688	CG250216	1,703	CG25	25.2S	3.62	5.31	1-1/2"	51989031
	788	CG500281	2,053	CG50	50.1S	2.50	4.62	1-1/2"	51989032
	888	CG500281	2,350	CG50	50.2S	2.20	4.98	1-1/2"	51989033
	988	CG500239	2,713	CG50	50.2S	3.77	5.57	2"	51989033
	1088	CG500239	3,103	CG50	50.3S	3.52	5.89	2"	51989034
	1188	CG500239	3,392	CG50	50.4S	3.14	5.97	2"	51989035
	1288	CG500239	3,753	CG50	50.4S	3.73	7.19	2"	51989035
	1288	CG500265	3,753	CG50	50.4S	3.73	5.92	2-1/2"	51989035
	1388	CG500239	4,113	CG50	50.5S	3.20	7.62	2"	51989036
	1388	CG500265	4,113	CG50	50.5S	3.20	6.09	2-1/2"	51989036
	1488	CG500265	4,488	CG50	50.5S	3.45	6.34	2-1/2"	51989036
88 Series 2	488	CG10018	995	CG10A	10.6S	4.45	6.71	1"	51989029
	588	CG250216	1,382	CG25	25.1S	3.55	5.00	1-1/2"	51989030
	688	CG250216	1,703	CG25	25.2S	3.70	6.07	1-1/2"	51989031
	788	CG500281	2,053	CG50	50.1S	3.10	5.11	1-1/2"	51989032
	888	CG500281	2,350	CG50	50.2S	3.05	5.62	1-1/2"	51989033
	988	CG500239	2,713	CG50	50.2S	3.75	5.50	2"	51989033
	1088	CG500239	3,103	CG50	50.3S	3.65	6.00	2"	51989034
	1188	CG500239	3,392	CG50	50.4S	3.60	6.45	2"	51989035
	1288	CG500265	3,753	CG50	50.4S	4.15	6.36	2-1/2"	51989035
	1388	CG500265	4,113	CG50	50.5S	4.00	6.68	2-1/2"	51989036

Maximum pressure is 14" w.c.

Weil McLain - 80, 88 Series 1

Low Gas Pressure Specs

	Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
80 Series	380	CG10015	336	CG10	10.1	1.80	3.01	1"	51989021
	480	CG10015	491	CG10	10.3	1.45	3.17	1"	51989022
	580	CG10018	639	CG10A	10.5S	2.00	3.96	1"	51989024
	580	CG100143	639	CG10A	10.5S	2.00	2.17	1-1/4"	51989024
	680	CG10018	787	CG10A	10.6S	1.90	3.96	1"	51989025
	680	CG100143	787	CG10A	10.6S	1.90	3.01	1-1/4"	51989025
	780	CG150242	943	CG15	15.2S	2.50	4.05	1-1/4"	51989100
	880	CG150242	1,067	CG15	15.3S	2.30	3.95	1-1/4"	51989026
	980	CG150242	1,230	CG15	15.4S	2.25	4.07	1-1/4"	51989027
	1080	CG250216	1,392	CG25	25.2S	2.25	3.47	1-1/2"	51989028
	1180	CG250216	1,526	CG25	25.2S	2.83	4.33	1-1/2"	51989028
	1280	CG250216	1,670	CG25	25.3S	2.30	3.92	1-1/2"	51989101
88 Series 1	488	CG100143	995	CG10A	10.6S	3.38	5.80	1-1/4"	51989029
	588	CG250216	1,382	CG25	25.2S	2.20	3.43	1-1/2"	51989031
	688	CG250216	1,703	CG25	25.3S	2.40	4.09	1-1/2"	51989103
	788	CG500239	2,053	CG50	50.1S	2.50	3.67	2"	51989032
	888	CG500239	2,350	CG50	50.2S	2.20	3.73	2"	51989033
	988	CG500239	2,713	CG50	50.3S	2.50	4.30	2"	51989034
	1088	CG500239	3,103	CG50	50.4S	2.30	4.67	2"	51989035
	1088	CG500265	3,392	CG50	50.4S	2.30	3.80	2-1/2"	51989035
	1188	CG500265	3,753	CG50	50.5S	2.00	3.80	2-1/2"	51989036
	1288	CG500265	3,753	CG50	50.5S	2.40	4.59	2-1/2"	51989036

Maximum pressure is 14" w.c.

Scotch Marine - 3-Pass Steel Boilers

Standard Gas Pressure Specs

Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
20 HP	CG150242	840	CG15	15.1S	3.20	4.34	1-1/4"	51989130
30 HP	CG150242	1,260	CG15	15.3S	3.50	5.59	1-1/4"	51989131
40 HP	CG250216	1,680	CG25	25.2S	3.40	5.03	1-1/2"	51989132
50 HP	CG250216	2,100	CG25	25.4S	2.50	4.70	1-1/2"	51989133
55 HP	CG250216	2,310	CG25	25.4S	3.00	5.01	1-1/2"	51989133
60 HP	CG500239	2,520	CG50	50.2S	3.50	4.76	2"	51989134
70 HP	CG500239	2,940	CG50	50.3S	3.40	5.77	2"	51989135
80 HP	CG500239	3,360	CG50	50.4S	2.95	6.28	2"	51989136
80 HP	CG500265	3,360	CG50	50.4S	2.95	5.06	2-1/2"	51989136
90 HP	CG500265	3,780	CG50	50.5S	3.50	5.73	2-1/2"	51989137
100 HP	CG500265	4,299	CG50	50.5S	3.60	6.36	2-1/2"	51989137
110 HP	CG500265	4,620	CG50	50.5S	3.75	7.08	2-1/2"	51989137

Scotch Marine - 3-Pass Steel Boilers

Low Gas Pressure Specs

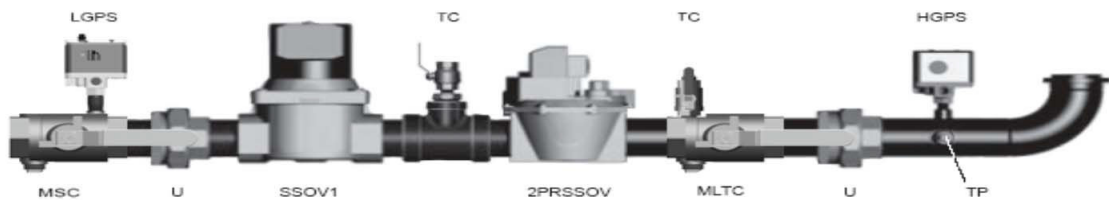
Boiler Model	Part Number	(Max. MBH)	Burner Model	Head	*Manifold Pressure	*Min. Gas Supply	Gas Train Size	Welded Insertion
20 HP	CG150242	840	CG15	15.4S	3.20	4.34	1-1/4"	51989131
30 HP	CG250216	1,260	CG25	25.2S	3.00	4.25	1-1/2"	51989132
40 HP	CG250216	1,680	CG25	25.3S	2.30	3.73	1-1/2"	51989141
50 HP	CG250245	2,100	CG25	25.4S	2.50	3.99	2"	51989133
55 HP	CG250232	2,310	CG25	25.4S	3.00	5.10	2"	51989133
60 HP	CG500239	2,520	CG50	50.3S	2.25	4.06	2"	51989135
70 HP	CG500265	2,940	CG50	50.4S	2.30	3.80	2-1/2"	51989136
80 HP	CG500265	3,360	CG50	50.5S	2.25	4.36	2-1/2"	51989137

Maximum pressure is 14" w.c.

MASS Code Chassis & Gas Trains

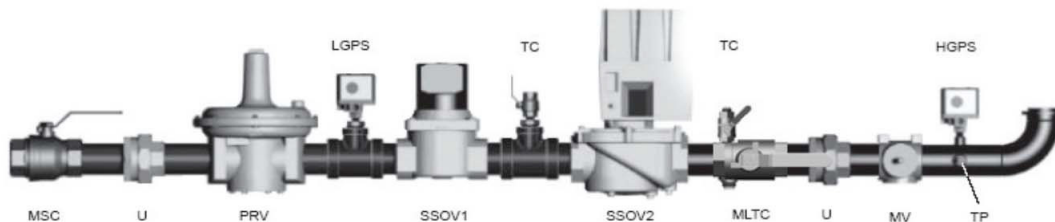
300,000 BTU's - 1 Million BTU's

Part Number	Model Number	Gas Train Size
CG10015	CG10 w/LFS	1" UL 2 STG
CG10018	CG10A w/LFS	1" UL 2 STG
CG10022	CG10B w/LFS	1" UL 2 STG
CG100143	CG10A w/LFS	1-1/4" UL 2 STG



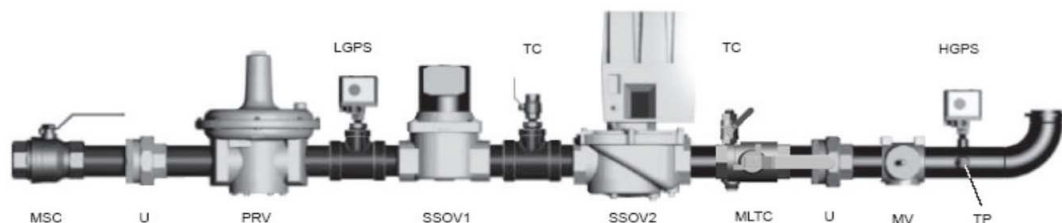
1.1 Million BTU's - 2.5 Million BTU's

Part Number	Model Number	Gas Train Size
CG150229	CG15	1-1/4" UL 2 STG
CG250256	CG25	1-1/2" UL 2 STG
CG250232	CG25	2" UL 2 STG



2.5 Million BTU's - 5 Million BTU's

Part Number	Model Number	Gas Train Size
CG500239	CG50	2" UL 2 STG
CG500265	CG50	2-1/2" UL 2 STG



Commercial Gas Burner Options

Burner Model	CG10.1-3	CG10.4-6	CG15.1-4	CG25.1-2	CG25.3-5	CG50.1	CG50.3-4	CG50.5
Gas Train Size	1"	1"	1-1/4"	1-1/2"	1-1/2"	1-1/2"	2"	2-1/2"
ON-OFF with L/F/S RM7897A	STD	STD	n/a	n/a	n/a	n/a	n/a	n/a
Lo/Hi/Lo RM7897C	n/a	n/a	STD	STD	STD	STD	STD	STD
Full Modulation Accepts 135 Ohm Inputs (Operation controller supplied by others)	n/a	n/a	Available	Available	Available	Available	Available	Available
RM7840L	n/a	n/a	Available	Available	Available	Available	Available	Available
UV Sensor Adder	STD	STD	STD	STD	STD	STD	STD	STD
220 Volts 1 PH	Available	Available	Available	Available	Available	STD	STD	STD
208/230 Volts 3 PH	n/a	n/a	Available	Available	Available	Available	Available	Available
480 Volts 3 PH	n/a	n/a	Available	Available	Available	n/a	n/a	n/a
575 Volts 3 PH	n/a	n/a	Available	Available	Available	Available	Available	Available

Panel Components

Component		
12 X 12 Cabinet		Available
12 X 16 Cabinet		Available
Light		Available
Relay		Available
120 Volt Buzzer		Available
24 Volt Buzzer		Available
120 Volt Alarm Bell		Available
24 Volt 4" Alarm Bell		Available
Slencer Button/relay		Available
Low Pressure Oil Switch		Available
Honeywell R7800A Mod Bus		Available
Control Transformers		
ST1	240V/408V	Available
ST5	208V	Available
ST7	208V/220V/380V/440V	Available

Code Adders

Burner Model	Gas Train Size	UL, CSD1, and GE GAP (IRI)
CG10.1	1"	STD
CG15.1	1"	STD
CG25.5	1-1/2"	STD
CG50.1	1-1/2"	STD
CG50.3	2"	STD
CG50.5	2-1/2"	STD

Gas Train Components

Component	
Wiring Harness 52171U	Available

When Ordering . . .

Please have part numbers (in blue fields) ready when ordering.

Burner Chassis is the fully assembled burner minus air tube, welded flange, and nozzle line assembly.

Welded Insertion is the airtube with welded flange and nozzle line assy.

Commercial Oil Burner Chassis Specifications

Part Number	Burner Model	Rate Control	Control
BCF3907	CF375	On/Off	GeniSys 7505P1515
BCF809	CF500	On/Off	GeniSys 7505P1515
BCF403	CF800	On/Off	GeniSys 7505P1515
BCF101	CF1000	On/Off	GeniSys 7505-1515
BCF205	CF1400	Low/Hi/Low	GeniSys 7505-1515
BCF304	CF2300A	Low/Hi/Low	GeniSys 7505-1515
BCF3001	CF2500A	Low/Hi/Low	GeniSys 7505P1515
BCF1801	CF2500	Low/Hi/Low	Honeywell RM7897A-1002
BCF1301	CF3500	Low/Hi/Low	Honeywell RM7897A-1002

Buderus - G215, G315, G515, G615 Series

Boiler Model	Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
G215-5	BCF3907	1.75	CF375	51514084	.90 x 45ES
G215-6	BCF3907	2.10	CF375	51514083	1.10 x 45ES
G215-7	BCF3907	2.50	CF375	51514083	1.35 x 45ES
G315-5	BCF809	3.00	CF500	51514111	2.50 x 45P
G315-6	BCF403	3.85	CF800	51514059	3.25 x 45P
G315-7	BCF403	4.70	CF800	51514059	4.00 x 45P
G315-8	BCF205	5.50	CF1400	51514101	3.25 x 45P
G315-9	BCF205	6.40	CF1400	51514101	3.75 x 45P
G515-7	BCF205	6.90	CF1400	51514069	4.00 x 60P
G515-8	BCF205	8.14	CF1400	51514069	5.00 x 60P
G515-9	BCF304	10.00	CF2300	51514112	5.50 x 60P
G515-10	BCF304	11.60	CF2300	51514112	6.50 x 45P
G515-11	BCF304	13.00	CF2300	51514112	7.50 x 45P
G515-12	BCF304	14.60	CF2300	51514112	8.50 x 45P
G615-9	BCF304	16.00	CF2300	51514080	9.00 x 45P
G615-10	BCF3001	18.50	CF2500A	Call RWB	5.00 x 45P (2)
G615-11	BCF1801	21.00	CF2500	Call RWB	6.00 x 45P (2)
G615-12	BCF1301	23.50	CF3500	Call RWB	6.50 x 45P (2)
G615-13	BCF1301	26.00	CF3500	Call RWB	7.50 x 45P (2)
G615-14	BCF1301	28.50	CF3500	Call RWB	8.50 x 45P (2)

Burnham - V9A, V11 Series

Boiler Model		Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
V9A Series	V903A	BCF809	2.75	CF500	51514091	2.25 x 60P
	V904A	BCF403	3.50	CF800	51514092	3.00 x 45P
	V905A	BCF403	4.60	CF800	51514092	4.00 x 60P
	V906A	BCF205	5.80	CF1400	51514093	5.00 x 60P
	V907A	BCF205	6.90	CF1400	51514093	4.00 x 45P
	V908A	BCF205	8.00	CF1400	51514094	4.50 x 45P
	V909A	BCF304	9.10	CF2300	51514095	5.00 x 45P
	V910A	BCF304	10.20	CF2300	51514095	5.50 x 45P
	V911A	BCF3001	11.40	CF2500A	51514096	6.50 x 45P
	V912A	BCF3001	12.60	CF2500A	51514096	7.00 x 45P
V11 Series	V1104	BCF205	5.80	CF1400	51514113	3.50 x 45P
	V1105	BCF205	7.40	CF1400	51514047	4.50 x 45P
	V1106	BCF205	9.20	CF1400	51514047	5.50 x 45P
	V1107	BCF304	11.00	CF2300	51514114	6.50 x 45P
	V1108	BCF304	13.00	CF2300	51514114	7.50 x 45P
	V1109	BCF304	14.80	CF2300	51514114	8.50 x 45P
	V1110	BCF304	16.60	CF2300	51514114	9.50 x 45P
	V1111	BCF304	18.40	CF2300	51514114	10.50 x 45P
	V1112	BCF1801	20.00	CF2500	51514074	5.50 x 45P (2)
	V1113	BCF1801	21.50	CF2500	51514074	6.00 x 45P (2)
	V1114	BCF1301	23.50	CF3500	Call RWB	6.50 x 45P (2)
	V1115	BCF1301	25.50	CF3500	Call RWB	7.00 x 45P (2)
	V1116	BCF1301	27.00	CF3500	Call RWB	7.50 x 45P (2)

Burnham - MPC Series

Boiler Model	Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
MPC-4	BCF809	3.55	CF500	51514139	2.75 x 70P
MPC-5	BCF403	5.50	CF800	51514132	4.50 x 70P
MPC-6	BCF205	7.10	CF1400	51514047	4.25 x 60P
MPC-7	BCF205	7.80	CF1400	51514047	5.00 x 45P
MPC-8	BCF304	10.20	CF2300	51514114	6.00 x 45P
MPC-9	BCF304	11.20	CF2300	51514114	7.00 x 45P
MPC-10	BCF304	13.40	CF2300	51514114	8.00 x 45P
MPC-11	BCF3001	15.00	CF2500A	51514074	4.50 x 45P (2)
MPC-12	BCF3001	16.60	CF2500A	51514074	5.00 x 45P (2)
MPC-13	BCF3001	18.20	CF2500A	51514074	5.50 x 45P (2)
MPC-14	BCF3001	19.20	CF2500A	51514074	6.00 x 45P (2)
MPC-15	BCF1801	21.50	CF2500	51514074	6.50 x 45P (2)
MPC-16	BCF1301	23.00	CF3500	Call RWB	7.00 x 45P (2)
MPC-17	BCF1301	24.50	CF3500	Call RWB	7.50 x 45P (2)
MPC-18	BCF1301	26.00	CF3500	Call RWB	8.00 x 45P (2)

H.B. Smith - 19A,19AHE, 28A, 28HE Series

Boiler Model		Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
19A Series	19A/HE-3	BCF809	2.60	CF500	51514040	1.75 x 60ES
	19A/HE-4	BCF809	3.60	CF500	51514040	3.00 x 45B
	19A/HE-5	BCF403	5.00	CF800	51514065	4.00 x 45B
	19A/HE-6	BCF205	6.40	CF1400	51514061	4.00 x 45P
	19A/HE-7	BCF205	7.80	CF1400	51514061	4.50 x 45P
	19A/HE-8	BCF205	9.30	CF1400	51514061	5.50 x 45P
	19A/HE-9	BCF304	10.70	CF2300	51514066	6.50 x 45P
	19A/HE-10	BCF304	12.10	CF2300	51514066	7.00 x 45P
	19A/HE-11	BCF3001	13.50	CF2500A	51514070	5.00 x 45P (2)
	19A/HE-12	BCF3001	15.00	CF2500A	51514070	5.50 x 45P (2)
28A Series	28A-4	BCF205	8.00	CF1400	51514010	5.00 x 45P
	28A-5	BCF205	10.25	CF1400	51514010	6.00 x 45P
	28A-6	BCF304	12.50	CF2300	51514015	7.50 x 45P
	28A-7	BCF304	15.00	CF2300	51514015	9.00 x 45P
	28A-8	BCF304	17.50	CF2300	51514015	10.00 x 45P
	28A-9	BCF304	19.60	CF2300	51514016	11.00 x 45P
	28A-10	BCF1801	22.50	CF2500	51514106	6.50 x 45P (2)
	28A-11	BCF1801	24.25	CF2500	51514106	7.00 x 45P (2)
	28A-12	BCF1301	27.50	CF3500	51514105	8.00 x 45P (2)
	28A-13	BCF1301	29.90	CF3500	Call RWB	9.00 x 45P (2)
28HE Series	28HE-4	BCF205	7.80	CF1400	51514010	4.50 x 45P
	28HE-5	BCF304	9.50	CF2300	51514015	5.50 x 45P
	28HE-6	BCF304	11.20	CF2300	51514015	6.50 x 45P
	28HE-7	BCF304	13.90	CF2300	51514015	8.00 x 45P
	28HE-8	BCF3001	16.40	CF2500A	51514106	5.00 x 45P (2)
	28HE-9	BCF3001	18.20	CF2500A	51514106	5.50 x 45P (2)
	28HE-10	BCF1801	20.80	CF2500	51514106	6.00 x 45P (2)
	28HE-11	BCF1801	22.50	CF2500	51514105	6.50 x 45P (2)
	28HE-12	BCF1301	25.10	CF3500	51514105	7.50 x 45P (2)
	28HE-13	BCF1301	27.50	CF3500	51514108	8.00 x 45P (2)

Peerless - SC, LC, TC, TCII Series

Boiler Model	Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
SC05	BCF809	3.00	CF500	51514064	2.50 x 60B
SC06	BCF809	3.50	CF500	51514064	3.00 x 60B
SC07	BCF403	4.00	CF800	51514012	3.25 x 45P
SC08	BCF403	4.50	CF800	51514012	3.75 x 45P
SC09	BCF403	5.00	CF800	51514012	4.00 x 45P
SC10	BCF403	5.50	CF800	51514012	4.50 x 45P
LC-04	BCF403	4.75	CF800	51514012	4.00 x 45P
LC-05	BCF205	6.10	CF1400	51514051	4.50 x 45P
LC-06	BCF205	7.50	CF1400	51514051	3.50 x 45P
LC-07	BCF205	8.80	CF1400	51514051	4.50 x 45P
LC-08	BCF304	10.20	CF2300	51514052	5.00 x 45P
LC-09	BCF304	11.60	CF2300	51514052	6.00 x 45P
LC-10	BCF304	12.80	CF2300	51514052	6.50 x 45P
LC-11	BCF304	14.20	CF2300	51514052	7.00 x 45P
LC-12	BCF304	15.60	CF2300	51514052	8.50 x 45P
LC-13	BCF304	17.00	CF2300	51514052	9.00 x 45P
LC-14	BCF304	18.40	CF2300	51514016	11.00 x 45P
TC-04	BCF205	8.00	CF1400	51514010	5.00 x 45P
TC-05	BCF205	10.40	CF1400	51514010	6.00 x 45P
TC-06	BCF304	12.60	CF2300	51514015	7.50 x 45P
TC-07	BCF304	15.00	CF2300	51514015	9.00 x 45P
TC-08	BCF304	17.40	CF2300	51514015	10.00 x 45P
TC-09	BCF304	19.60	CF2300	51514016	11.00 x 45P
TC-10	BCF1801	22.00	CF2500	51514106	6.50 x 45P (2)
TC-11	BCF1801	24.25	CF2500	51514106	7.00 x 45P (2)
TC-12	BCF1301	26.50	CF3500	51514105	8.00 x 45P (2)
TC-13	BCF1301	29.90	CF3500	Call RWB	9.00 x 45P (2)
TCII-04	BCF205	7.80	CF1400	51514010	4.50 x 45P
TCII-05	BCF205	9.50	CF1400	51514010	5.50 x 45P
TCII-06	BCF304	11.20	CF2300	51514015	6.50 x 45P
TCII-07	BCF304	13.90	CF2300	51514015	8.00 x 45P
TCII-08	BCF3001	16.40	CF2500A	51514106	5.00 x 45P (2)
TCII-09	BCF3001	18.20	CF2500A	51514106	5.50 x 45P (2)
TCII-10	BCF1801	20.80	CF2500	51514106	6.00 x 45P (2)
TCII-11	BCF1801	22.50	CF2500	51514106	6.50 x 45P (2)
TCII-11	BCF1301	25.10	CF3500	51514105	7.50 x 45P (2)
TCII-12	BCF1301	27.50	CF3500	Call RWB	8.00 x 45P (2)

Weil-Mclain - 80, 88 Series 1 & 2

Boiler Model		Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
80 Series	380	BCF809	2.40	CF500	51514097	2.00 x 60P
	480	BCF809	3.40	CF500	51514097	2.75 x 45P
	580	BCF403	4.45	CF800	51514087	3.75 x 60P
	680	BCF403	5.50	CF800	51514087	4.50 x 60P
	780	BCF205	6.50	CF1400	51514088	3.75 x 45P
	880	BCF205	7.50	CF1400	51514088	4.50 x 45P
	980	BCF205	8.50	CF1400	51514088	5.00 x 45P
	1080	BCF205	9.60	CF1400	51514089	5.50 x 45P
	1180	BCF304	10.60	CF2300	51514090	6.50 x 45P
	1280	BCF304	11.60	CF2300	51514090	7.00 x 45P
88 Series 1	488	BCF205	6.90	CF1400	51514044	4.00 x 70B
	588	BCF205	9.40	CF1400	51514044	5.50 x 70B
	688	BCF304	11.80	CF2300	51514046	6.50 x 60B
	788	BCF304	14.20	CF2300	51514046	8.00 x 60B
	888	BCF304	16.60	CF2300	51514046	9.50 x 60B
	988	BCF304	17.20	CF2300	51514046	11.00 x 45P
	1088	BCF1801	21.50	CF2500	51514026	6.00 x 60B (2)
	1188	BCF1801	23.50	CF2500	51514026	6.50 x 60B (2)
	1288	BCF1301	26.00	CF3500	51514043	7.50 x 60B (2)
	1388	BCF1301	28.50	CF3500	51514043	8.50 x 60B (2)
	1488	BCF1301	29.50	CF3500	51514043	9.50 x 60B (2)
88 Series 2	488	BCF205	7.00	CF1400	51514115	4.00 x 70B
	588	BCF304	9.40	CF2300	51514116	5.50 x 70B
	688	BCF304	11.80	CF2300	51514116	6.50 x 60B
	788	BCF304	14.20	CF2300	51514116	8.00 x 60B
	888	BCF3001	16.60	CF2500A	51514117	5.00 x 45P (2)
	988	BCF3001	18.80	CF2500A	51514117	5.50x 45P (2)
	1088	BCF1801	21.50	CF2500	51514117	6.00 x 60B (2)
	1188	BCF1801	23.50	CF2500	51514117	6.50 x 60B (2)
	1288	BCF1301	26.00	CF3500	51514118	7.50 x 60B (2)
	1388	BCF1301	28.50	CF3500	51514118	8.50 x 60B (2)

Scotch Marine - 3-Pass Steel Boilers

Boiler Model	Part Number	Firing Rate (Max GPH)	Burner Model	Welded Insertion	Nozzle
20 HP	BCF205	6.00	CF1400	51514123	3.50 x 45P
30 HP	BCF205	9.50	CF1400	51514124	5.50 x 45P
40 HP	BCF304	12.00	CF2300	51514124	6.50 x 45P
50 HP	BCF304	15.60	CF2300	51514124	8.50 x 45P
60 HP	BCF304	18.00	CF2300	51514124	10.00 x 45P
70 HP	BCF1801	21.00	CF2500	51514125	6.00 x 45P (2)
80 HP	BCF1301	24.00	CF3500	51514126	6.50 x 45P (2)
90 HP	BCF1301	27.00	CF3500	51514127	7.50 x 45P (2)
100 HP	BCF1301	30.00	CF3500	51514127	8.50 x 45P (2)

Commercial Oil Burner Chassis Specifications

Part Number	Burner Model	Rate Control	Control
BCF3907	CF375	On/Off	GeniSys 7505P1515
BCF809	CF500	On/Off	GeniSys 7505P1515
BCF403	CF800	On/Off	GeniSys 7505P1515
BCF101	CF1000	On/Off	GeniSys 7505P1515
BCF205	CF1400	Low/Hi/Low	GeniSys 7505P1515
BCF304	CF2300A	Low/Hi/Low	GeniSys 7505P1515
BCF3001	CF2500A	Low/Hi/Low	GeniSys 7505P1515
BCF1801	CF2500	Low/Hi/Low	Honeywell RM7897A-1002
BCF1301	CF3500	Low/Hi/Low	Honeywell RM7897A-1002

Air Tube Combinations

Burner Model	Part Number	Firing Rate	Burner Model	Part Number	Firing Rate
CF375	CF56KY	5.75" - 1.65 to 2.0 gph	CF1000 & CF1400	CF66KD	6.75" - 4.0 to 11.0 gph
	CF100KY	10" - 1.65 to 2.0 gph		CF102KD	10.25" - 4.0 to 11.0 gph
	CF140KY	14" - 1.65 to 2.0 gph		CF136KD	13.75" - 4.0 to 11.0 gph
	CF56KZ	5.75" - 2.0 to 3.75 gph		CF176KD	17.75" - 4.0 to 11.0 gph
	CF100KZ	10" - 2.0 to 3.75 gph		CF66KE	6.75" - 7.0 to 13.6 gph
	CF140KZ	14" - 2.0 to 3.75 gph		CF102KE	10.25" - 7.0 to 13.6 gph
CF500	CF60KK	6" - 2.25 to 5.5 gph		CF136KE	13.75" - 7.0 to 13.6 gph
	CF80KK	8" - 2.25 to 5.5 gph		CF176KE	17.75" - 7.0 to 13.6 gph
	CF100KK	10" - 2.25 to 5.5 gph	CF2300	CF66KG	6.75" - 7.0 to 19.9 gph
	CF140KK	14" - 2.25 to 5.5 gph		CF102KG	10.25" - 7.0 to 19.9 gph
	CF160KK	16" - 2.25 to 5.5 gph		CF136KG	13.75" - 7.0 to 19.9 gph
CF800	CF60KH	6" - 3.0 to 7.0 gph		CF176KG	17.75" - 7.0 to 19.9 gph
	CF80KH	8" - 3.0 to 7.0 gph	CF2500A & CF2500	CF66KP	6.75" - 17.0 to 25.0 gph
	CF100KH	10" - 3.0 to 7.0 gph		CF102KP	10.25" - 17.0 to 25.0 gph
	CF140KH	14" - 3.0 to 7.0 gph		CF136KP	13.75" - 17.0 to 25.0 gph
	CF170KH	17" - 3.0 to 7.0 gph		CF176KP	17.75" - 17.0 to 25.0 gph
	CF60KJ	6" - 5.0 to 8.0 gph	CF3500	CF80KM	8" - 17.0 to 35.0 gph
	CF80KJ	8" - 5.0 to 8.0 gph		CF114KM	11.5" - 17.0 to 35.0 gph
	CF100KJ	10" - 5.0 to 8.0 gph		CF150KM	15.0" - 17.0 to 35.0 gph
	CF140KJ	14" - 5.0 to 8.0 gph		CF190KM	19.0" - 17.0 to 35.0 gph
	CF170KJ	17" - 5.0 to 8.0 gph		CF102KE	10.25" - 17.0 to 35.0 gph
	CF60KHS	6" - 3.0 to 7.0 gph		CF136KE	13.75" - 17.0 to 35.0 gph
	CF80KHS	8" - 3.0 to 7.0 gph		CF176KE	17.75" - 17.0 to 35.0 gph
	CF170KHS	17" - 3.0 to 7.0 gph			

Code Adders

Burner Model	UL	CSD-1	IRI	FM	Mass Code	NYC BAR
CF375	STD	N/A	STD	STD	STD	Available
CF500	STD	Available	Available	Available	STD	Available
CF800	STD	Available	Available	Available	STD	Available
CF1000	STD	Available	Available	Available	STD	Available
CF1400	STD	Available	Available	Available	STD	Available
CF2300A	STD	Available	Available	Available	STD	Available
CF2500A	STD	N/A	Available	Available	STD	Available
CF2500	STD	STD	STD	STD	STD	Available
CF3500	STD	STD	STD	STD	STD	Available

Voltage Adders

Burner Model	Burner Firing Rate	220V 1 Phase	220V 3 Phase	480V 3 Phase
CF375	1.65 - 3.75	NA	NA	NA
CF500	2.25 - 5.50	Available	NA	NA
CF800	3.00 - 8.00	Available	NA	NA
CF1000	4.00 - 10.00	Available	Available	Available
CF1400	4.00 - 13.60	Available	Available	Available
CF2300A	7.00 - 19.90	Available	Available	Available
CF2500A	17.00 - 19.90	STD	Available	NA
CF2500	17.00 - 25.00	STD	Available	NA
CF3500	17.00 - 35.00	STD	Available	NA

Control Upgrade

Control
RM7897A1002 w/Visible Light Sensor
RM7840M1017 w/Visible Light Sensor
RM7840M w/ UV Sensor
Fireye MEC120 CAD
Fireye E110 UV Sensor

New York City BAR Chassis

Part Number	Burner Model	Rate Control	Control
PH4602 (ECT-6)	CF375 w/ BAR Kit	On/Off	Genisys 7505P1515
BCF806	CF500 w/ BAR Kit	On/Off	Genisys 7505P1515
BCF408	CF800 w/ Bar Kit	On/Off	Genisys 7505P1515
BCF206	CF1400 w/ BAR Kit	Low/Hi/Low	Genisys 7505P1515
BCF305	CF2300A w/ BAR Kit	Low/Hi/Low	Genisys 7505P1515
BCF3002	CF2500A w/ BAR Kit	Low/Hi/Low	Genisys 7505P1515
BCF1802	CF2500 w/ BAR Kit	Low/Hi/Low	Honeywell RM7897A-1002
BCF1302	CF3500 w/ BAR Kit	Low/Hi/Low	Honeywell RM7897A-1002

Commercial Flanges & Pedestal Kits

Part No.	Description	Burner Model (• = Available)												
		CF375	CF500	CF800	CF1000	CF1400	CF2300	CF2500	CF3500	CG10	CG10A	CG15	CG25	CG50
Adjustable Flange and Gasket Kits														
5432	8.25" O.D Flange and Gasket	•	•	•										
Split Flange with Gasket														
5850	8.44" O.D. Flange and Gasket	•	•	•										
Standard Diameter Pressure Firing Flange Kit														
51311	8.50" O.D Flange, Pressure Plate, and Gasket	•	•	•										
51312	9.94" O.D. Flange, Pressure Plate, and Gasket				•						•			
51313	12.44" O.D.Flange, Pressure Plate, and Gasket						•					•		
51498	14.05" O.D.Flange, Pressure Plate, and Gasket							•						•
Large Diameter Pressure Firing Flange Kit														
51628	12.25" O.D.) Flange, Pressure Plate, and Gasket	•	•	•										
51629	12.25" O.D. Flange, Pressure Plate, and Gasket				•						•			
51630	16" O.D.) Flange, Pressure Plate, and Gasket						•					•		
51631	Includes: 31852 (16" O.D.) Flange, 31857BK Pressure Plate, 31860 Gasket							•						•
Gasket														
31637	8.44" O.D.	•	•	•										
31411	10" O.D.				•						•			
31436	12.44" O.D						•					•		
31699	14" O.D							•						•
Pedestal Kit														
5685	standard length	•	•	•	•									
5606	extended length	•	•	•	•									

When Quoting Oil Burner:
Please add Beckett GeniSys
snap-on display (Part no. 52067U)



Commercial Panel Packages - Oil & Gas Burners

- Remote Panel is standard on all burners including **CG10, CF500, and CF800**.
- Below Panel packages are burner mounted and only available on **CG15-50, CF1400-3500**.

Beckett Panel Packages

Part No.	Description
PCL01	12 x 16 Electrical Cabinet (<i>Use with any Burner Control</i>) • Power On Light/switch • Fuel On Light
PCL02	12 x 16 Electrical Cabinet (<i>Use with Beckett 7505 Oil Control</i>) • Power On Light/switch • Fuel On Light • 24V Alarm • Flame Fail Light
PCL03	12 x 16 Electrical Cabinet (<i>Use with Honeywell Flame Safeguard Oil or Gas</i>) • Power On Light/switch • Fuel On Light • 120V Alarm • Flame Fail Light
PCL04	12 x 16 Electrical Cabinet (<i>Use with Beckett 7505 Oil Control</i>) • Power On Light/switch • Fuel On Light • 24V Alarm • Flame Fail Light • Low Water Cutoff Light • High Limit Light
PCL05	12 x 16 Electrical Cabinet (<i>Use with Honeywell Flame Safeguard Oil or Gas</i>) • Power On Light/switch • Fuel On Light • 120V Alarm • Flame Fail Light • Low Water Cutoff Light • High Limit Light
PCL06	12 x 16 Electrical Cabinet (<i>Use with Beckett 7505 Oil Control</i>) • Power On Light/switch • Fuel On Light • 24V Alarm • Flame Fail Light • Low Water Cutoff Light • High Limit Light • Call For Heat Light • Ignition Light
PCL07	12 x 16 Electrical Cabinet (<i>Use with Honeywell Flame Safeguard Oil or Gas</i>) • Power On Light/switch • Fuel On Light • 120V Alarm • Flame Fail Light • Low Water Cutoff Light • High Limit Light • Call For Heat Light • Ignition Light

Note: Additional options are available. Variations may result in a change in price and lead time.

Cross Reference Sheet - Commercial Oil & Gas Burners

Gas Burners

Cross Reference

Beckett	Beckett Firing Rates	Power Flame JR Burner	Power Flame C Burner	Riello	Gordon Piatt	Webster
CG10.1 to CG10.4	300 to 1000 MBH	JR15A	CR1-G-10	G400	N/A	N/A
CG10.5 to CG10.6	1000 to 1200 MBH	JR30A	CR1-G-12	G750	R6.2-G	JB1G-03
CG15.1 to CG15.4	800 to 1500 MBH	JR50A	CR1-G-15	G900 & RS28	R8.1-G	JB1G-05
CG25.1 to CG25.2	1300 to 2250 MBH	JR50A	CR2-G-15	RS50	R8.3-G	JB1G-05
CG25.3 to CG25.4	1500 to 2500 MBH	N/A	CR2-G-15	RS70	R8.4-G	JB2G-01
CG50.1 to CG50.3	2000 to 4400 MBH	N/A	CR2-G-20	RS100	R10.1-G	JB2G-02
CG50.3 to CG50.5	2500 to 5000 MBH	N/A	CR2-G-20	RS130	R10.2-G	JB2G-02

Oil Burners

Cross Reference

Beckett	Beckett Firing Rates	Carlin	Riello
CF375	1.65 to 3.75 GPH	102CRD	F10
CF500	1.75 to 5.50 GPH	201CRD	F15
CF800	3.00 to 8.00 GPH	301CRD	F20
CF1000	4.00 to 10.0 GPH	601CRD	
CF1400	4.00 to 13.6 GPH	702CRD	RL28
CF2300	7.0 to 19.9 GPH	801CRD	RL38
CF2500A	17.0 to 19.9 GPH	1050CRD	RL100
CF2500	17.0 to 25.0 GPH	1050CRD	
CF3500	17.0 to 35.0 GPH	1105CRD	RL130

Damper Motors

51229U	CF1400-CF3500 (old style) /Carlin 702-1150	Honeywell 436 Mod Motor
750601U	CF1400 to CF3500 & CG15 to CG50	Siemens Linkage Less Damper Motor

Commercial Oil/Gas Burner Motors

CF/CG/Carlin Burner Model Selection Chart

Part Number	Description	CF375 102	CG10 CF500 201	CG10A CF800 301	CF1000 601	CG15 CF1400 702	CG25 CF2300 801	CF2500 1050	CG50 CF3500 1150
21805U	PSC (1/7HP; 3450RPM; 120Vac)	●							
21341U	Split Phase (1/3HP; 3450RPM; 120 Vac)		●	●					
21401U	Split Phase (1/2HP; 3450RPM; 120-208/320Vac)				●	●			
21638U	Split Phase (1/2HP; 3450RPM; 208-240/320Vac)				●	●			
21402U	Split Phase (3/4HP; 3450RPM; 115-208/240Vac)						●		
21499U	Split Phase (3/4HP; 3450RPM; 208/230-460Vac)						●		
21527U	Split Phase (2HP; 3450RPM; 208/240Vac)							●	●
21547U	Split Phase (2HP; 3450RPM; 208/240-480Vac)							●	●

Replacement Parts

Part No.	Description	Burner Model (● = Available)										
		CF375	CF500	CF800	CF1000 CF1400	CF2300	CF2500 CF3500	CG10	CG10A	CG15	CG25	CG50
Access Covers & Accessories												
5201301U	Rear Access Door, Metal				●					●		
5201302U	Rear Access Door, Metal					●	●					
5201303U	Rear Access Door, Metal/UV				●					●		
5201304U	Rear Access Door, Metal/UV					●	●				●	●
51348	Sight Glass				●	●	●			●	●	●
Adjusting Plate Assembly												
5941	F375	●										
51286U	CF500 & CF800		●	●								
5201701U	CF1400 & CF2300				●	●						
5201703U	CF2500 & CF3500						●					
Blower Wheel (Fan)												
21837U	Fan 4-3/4" x 2- 7/16"	●										
21448U	Fan 5-19/23" x 2- 13/32"		●					●				
21339U	Fan 6-5/16" x 2-3/8"			●					●			
21268U	Fan 5.59" x 3.09"				●					●		
21267U	Fan 6.72" x 3.11"					●					●	
21528U	Fan 8.25" x 4.20"						●					●
Bulkhead												
571803	Bulkhead Fitting				●	●	●					
Control, Oil Burner												
7505P1505U	GeniSys Primary Control	Controls are dependent on application. Contact Beckett for availability.										
7505P1515U	GeniSys Primary Control											
52082U	GeniSys Contractor Tool											
52040U	GeniSys Alarm Module											
52067U	GeniSys Snap on Display											
Control & Components, Flame Safeguard												
7397U	RM7840L1075, Control	Controls are dependent on application. Contact Beckett for availability.										
7396U	RM7840M1017, Control											
7553U	RM7897A1002, Control											
7554U	RM7897C1000, Control											
750402	R7849A1015, Amplifi er (UV)											
7391	R7849A1023, Amplifi er (UV)											
7494U	R7851B1000, Amplifi er (Optical Flame)											
7247U	C7027A1023, Sensor (UV)											
51563U	C7962B1002, Sensor, (visible light)											
7399	ST7800A1054, Purge Card (60 sec)											
7387	ST7800A1039, Purge Card (30 sec)											
7386	Q7800B1003, Subbase (7800)											
7542U	S7800, Display Module (7800)											
Modulation Sensor												
7549U	7mf15644bb103 Steam Sensor for RWF40											
7509	QA2020.005 Water Sensor for RWF40											
Coupling												
2454	A Pump 5/16"	●										
2433	A Pump 5/16"		●									
2290	J Pump 7/16"		●	●								
21290	B Pump 5/16				●							
21308	H Pump 7/16"				●							
21549	B Pump 5/16"					●						
21305	H Pump 7/16"					●						
21514	H Pump 7/16"						●					

Replacement Parts (continued)

Part No.	Description	Burner Model (● = Available)												
		CF375	CF500	CF800	CF1000 CF1400	CF2300	CF2500 CF3500	CG10	CG10A	CG15	CG25	CG50		
Damper Motor														
51229	Honeywell 436 Mod Motor (old style)					●	●							
750601U	Siemens Linkageless Motor (2 Stg)					●	●							
750603U	Siemens Linkageless Motor (Modulation)									●	●	●		
3268401U	Siemens Linkageless 135 ohm									●	●	●		
51348	Sight Glass									●	●	●		
Electrodes														
51858	6"	●												
51859	10" thru 14"	●												
51345	9"		●	●										
51346	16"		●	●										
51212	CF1400-CF3500				●	●	●							
2191201U	CG10.1- CG10.3 for Swirl spud							●						
2191205U	CG10.1- CG10.5 for Step spud							●	●					
22225U	CG10.4 - CG10.6 for Swirl spud							●	●					
2191206U	CG15 electrodes for Step spud									●				
2191207U	CG25 electrodes for Step spud										●			
2191208U	CG50 electrodes for Step spud											●		
2191305U	Flame Rod for CG10							●	●					
Fuses														
32553	"J" Box Fuse 6Amp/240V													
7531	Panel Fuse 10AH 250V 3/4"													
Head Assembly - Gas Burners														
101U	CG10.1-Orifice spud configuration							●						
102U	CG10.2-Orifice spud configuration							●						
103U	CG10.3-Orifice spud configuration							●						
104U	CG10.4-Orifice spud configuration								●					
104SU	CG10.4S-Stepped spud configuration								●					
105U	CG10.5-Orifice spud configuration								●					
105SU	CG10.5S-Stepped spud configuration								●					
106U	CG10.6-Orifice spud configuration								●					
106SU	CG10.6S-Stepped spud configuration								●					
151SU	CG15.1S-Stepped spud configuration									●				
152SU	CG15.2S-Stepped spud configuration									●				
153SU	CG15.3S-Stepped spud confi guration									●				
154SU	CG15.4S-Stepped spud confi guration									●				
251SU	CG25.1S-Stepped spud confi guration										●			
252SU	CG25.2S-Stepped spud confi guration										●			
253SU	CG25.3S-Stepped spud confi guration										●			
254SU	CG25.4S-Stepped spud confi guration										●			
255SU	CG25.5S-Stepped spud confi guration										●			
501SU	CG50.1S-Stepped spud confi guration										●			
502SU	CG50.2S-Stepped spud confi guration											●		
503SU	CG50.3S-Stepped spud confi guration											●		
504SU	CG50.4S-Stepped spud confi guration											●		
505SU	CG50.5S-Stepped spud confi guration											●		

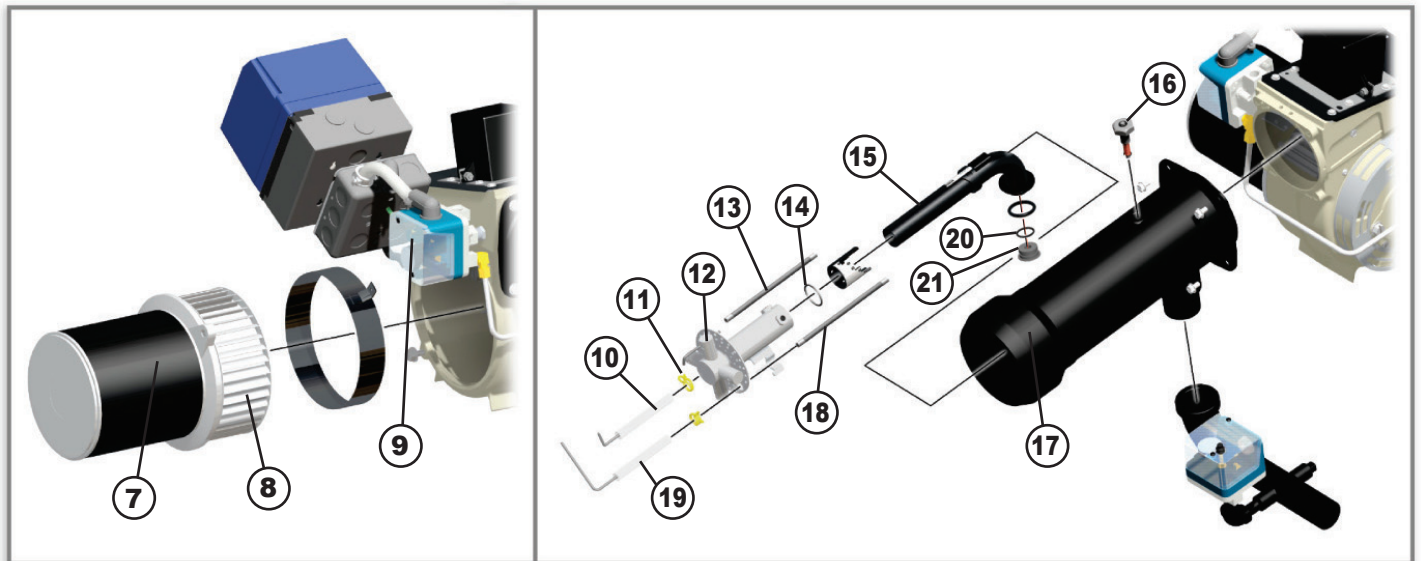
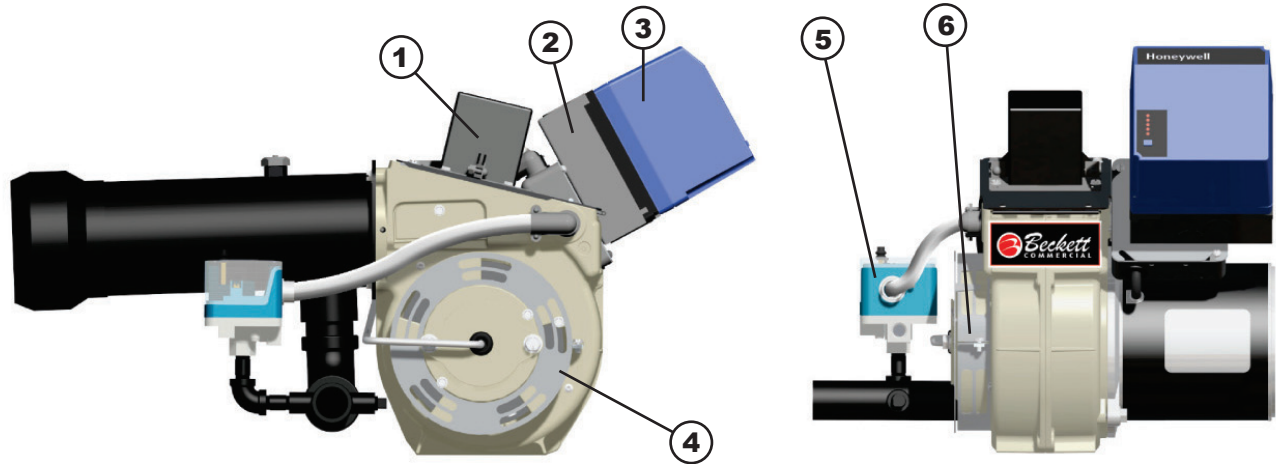
Replacement Parts (continued)

Part No.	Description	Burner Model (● = Available)										
		CF375	CF500	CF800	CF1000 CF1400	CF2300	CF2500 CF3500	CG10	CG10A	CG15	CG25	CG50
Head Assembly - Oil Burner												
51820U	KZ Head	●										
51401U	KY Head	●										
5913U	KK Head		●									
51252U	KH Head			●								
51302U	KJ Head			●								
5978P	KD/KE Head				●							
51203P	KG/KS Head					●						
51475P	KM/KP Head						●					
51637U	KR Head						●					
Igniters & Transformers												
51771U	14,000 Volt Igniter	●										
51824U	14,000 Volt Igniter		●	●								
51976U	6000 Volt Igniter (CG15,CG25,CG50)									●	●	●
52014U	6000 Volt Igniter (CG10,CG10A)							●	●			
51214	12,000 Volt Transformer				●	●	●					
2199702U	220volt Transformer			●	●							
Motor												
21805U	120 Volt/ 1/7HP PSC	●										
21341U	120 Volt/ 1/3 HP Split Phase		●	●				●	●			
21638U	208/240-480 Volt/ 1/2HP Split Ph				●					●		
21401U	115-208/240 Volt 1/2HP Split Ph					●					●	
21402U	115-208/240 Volt 3/4HP Split Ph					●					●	
21499U	208/230 -460 Volt 3/4HP Split Ph					●					●	
21527U	204/240 Volt 2HP split Ph						●					●
21547U	208/240-480 Volt 2HP split Ph						●					●
Pump												
2591U	A2YA-7916	●										
21188U	B2YA-8916	●	●	●								
21369U	B2TA-8248			●								
21259U	B2TA-8851 CF1400 LOW/HIGH				●							
21313U	B2TA-8245 2/5 CF1000 ON/OFF				●							
21487U	B2TA-8852					●						
21529U	J4PA-C1050G											
51871U	B2TA-8248/BAR mounted	●	●	●								
51872U	B2TA-8852 N642R/BAR mounted				●	●						
Regulator, Oil Burners												
51470	BAR Kit for Lo/Hi/Lo B Pump											
Relay												
7300	Motor Contactor Relay 208/240				●	●	●			●	●	●
7273	Motor Contactor (Rib Relay Rib2401B)				●	●				●	●	
752801	Motor Contactor Relay for "J" box				●					●		
752804	Damper Motor Relay (oil burners)											

Replacement Parts (continued)

Part No.	Description	Burner Model (● = Available)												
		CF375	CF500	CF800	CF1000 CF1400	CF2300	CF2500 CF3500	CG10	CG10A	CG15	CG25	CG50		
Pressure Switches														
2190901U	C6097A (Air Pressure Switch)				●	●	●	●	●					
22181U	Air Pressure switch on "J" Box					●					●	●		
22182U	Air Pressure switch on "J" Box						●						●	
2190902U	C6097A1012 (Lo Pressure Gas)							●	●	●	●	●		
2190903U	C6097B1028 (Hi Pressure Gas)							●	●	●	●	●		
52259-0014	Antunes Hi Pressure Gas Switch							●	●	●	●	●		
52259-002U	Antunes Lo Pressure Gas Switch							●	●	●	●	●		
Timer														
21295U	QMsc514/ES1160-A (4 Sec)				●	●	●							
Oil Valve														
21789U	Combu Oil Valve	●	●	●	●	●	●							
Regulating Gas Valves														
32566U	VR8305M 3/4" 24 Volt							●	●					
21977U	V4944B1019 1"							●	●	●				
21979U	V4944B1125 1 1/4"								●	●				
21981U	V4944B1141 1 1/2"									●	●	●		
Solenoid Valves														
2193401U	V4295A1031 1"							●	●					
2193402U	V4295A1049 1 1/4"								●	●				
2193403U	V4295A1056 1 1/2"									●	●	●		
2193404U	V4295A1064 2"										●	●		
2193405U	V4295A1072 2 1/2"											●		
2193803U	V4062A1131 Fluid Actuating Mtr									●	●	●		
2193601U	V5055B valve body 1 1/4"									●	●			
2193602U	V5055B valve body 1 1/2"										●	●		
2193603U	V5055B valve body 2"										●	●		
2193604U	V5055B valve body 2 1/2"											●		
Regulators														
2192901AU	RV53-88-0016 1"								●					
2192902AU	RV61-88-0049 1"								●					
2192902BU	RV61-1010-0018 1 1/4"									●				
2192903CU	RV81-1212-0019 1 1/2"									●	●			
2192904DU	RV91-1616-0019 2"										●	●		
2192904EU	RV91 2 1/2"											●		
2193001AU	R600-88-0019 1"								●					
21930002AU	210D-88-0017 1"							●	●					
2193002BU	210D-1010-0005 1 1/4"								●	●				
2193002CU	210D-1212-0004 1 1/2"									●	●			
2193003C	210E-1212-0002 1 1/2"									●	●			
2193003DU	210E-1616-0003 2"										●	●		
2193004EU	210G-2020-0003 2 1/2"												●	
Butterfly Valves														
2191001U	1-1/2"									●				
2191002U	2"										●			
2191003U	2-1/2"												●	

CG10 Gas Burner Assembly

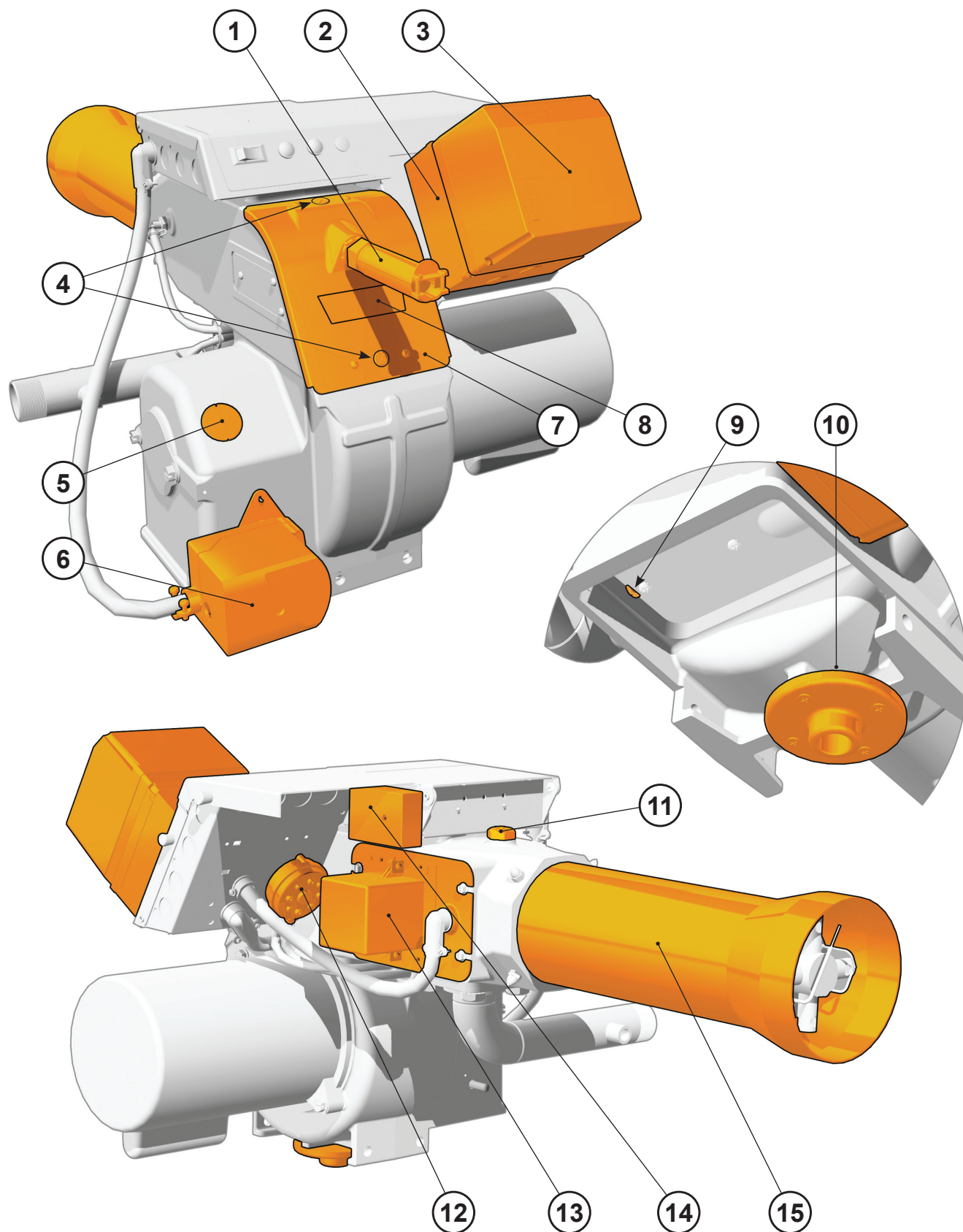


Item	Description	Part #
1	Ignition Transformer	7503U
2	Control Subbase	See Note 1
3	Primary Control	See Note 1
4	Shutter	3215U
5	High Gas Pressure Switch	2190903U
6	Air Band	3819A
7	Motor - 120v - 220v	21341U 21654U
8	Blower Wheel - CG10 - CG10A or CG10B	21448U 21339U
9	Air Proving Switch	2190901U
10	Electrode Set	Spec. Applic.

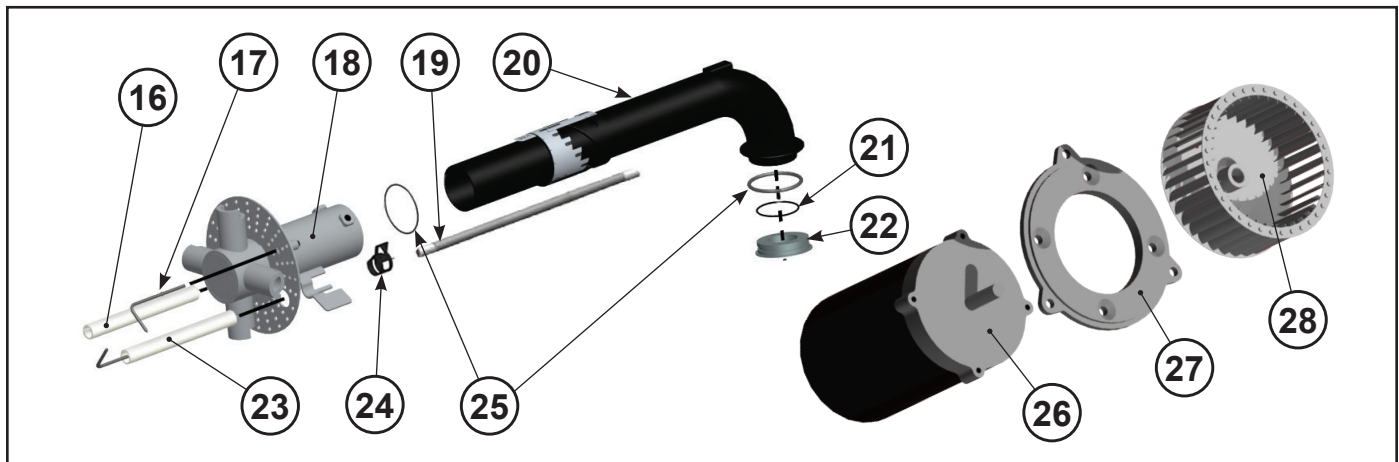
Item	Description	Part #
11	Spring Clamps (4 in pkg.)	3236501U
12	Head	Spec. Applic.
13	Cable, Ignition Electrode	5990130U
14	O-ring set (2 in package)	32264U
15	Gas Tube assembly	5193201U
16	Jacking Screw	5193401U
17	Air Tube	Spec. Applic.
18	Cable, Flame Rod (if used)	5990280U
19	Flame Rod (if used)	2191301U
	UV Scanner (not shown)	7247U
20	Restrictor O-Ring (LP Only)	3226409U
21	Propane Restrictor (LP Only)	See Table 3

Note 1: Refer to the UL Label for controller model number.

CG15, CG25, CG50 Gas Burner Assembly



CG15, CG25, CG50 Gas Burner Assembly (Continued)

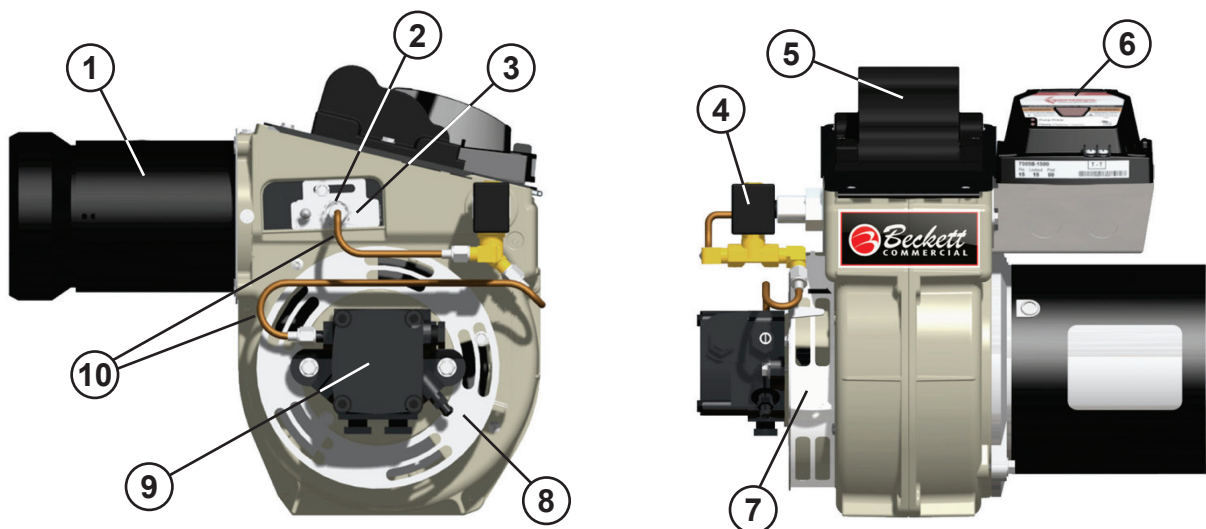


Item	Description	CG15 Part No.	CG25 Part No.	CG50 Part No.
1	UV Sensor	7247U	7247U	7247U
2	Control Subbase	Refer to UL Label for Model Numbers		
3	Control	Refer to UL Label for Model Numbers		
4	Spring Latch (Dzus Fastener)	32444U	32444U	32444U
5	Coupling Hole Plug	32439U	32439U	32439U
6	Damper Motor	Lo/Hi Modulation	750601U 750603U	750601U 750603U
7	Rear Access Door*	For UV For Flame Rod	5201303U 5201301U	5201304U 5201302U
8	Sight Glass**	31346U	31346U	31346U
9	Nylon Bushing	32294U	32294U	32294U
10	Pedestal kit	All Models	51193	51193
11	Jacking Screw Assembly	5193402U	5193403U	5193403U
12	Air Proving Switch	22181U	22181U	22182U
13	Ignition Transformer	7503U	7503U	7503U
14	Timer (if used)	21295U	21295U	21295U
15	Air Tube	Specify Model		
16	Ceramic	3231	3231	3231
17	Ground Electrode	2191106U	2191107U	2191108U
18	Head, Welded Assembly	Specify Model		
19	Cable, Ignition Electrode	5990184U	5990184U	5990184U
20	Gas Tube, Welded Assembly	5193202BKU	5193203BKU	5193204BKU
21	Restrictor O-ring (LP Only)	3226401U	3226402U	3226403U
22	Propane Restrictor (LP Only)	See Table 4		
23	Ignition Electrode	2191206U	2191207U	2191208U
24	Clamp	4474U	4474U	4474U
25	O-ring Set (2 included)	3226402U	3226403U	3226404U
26	Motor	115-208-203V 208-230/380-460V 575V	21401U 21638U 21735U	21402U 21499U 21734U
27	Mounting Flange	N/A	31347U	31449U
28	Blower Wheel	21268U	21267U	21528U
	Low Gas Pressure Switch (not shown)	2190902U	2229401U	2229401U
	High Gas Pressure Switch (not shown)	2190903U	2229402U	2229402U

* Includes Sight Glass, Label, Gaskets, and Fasteners

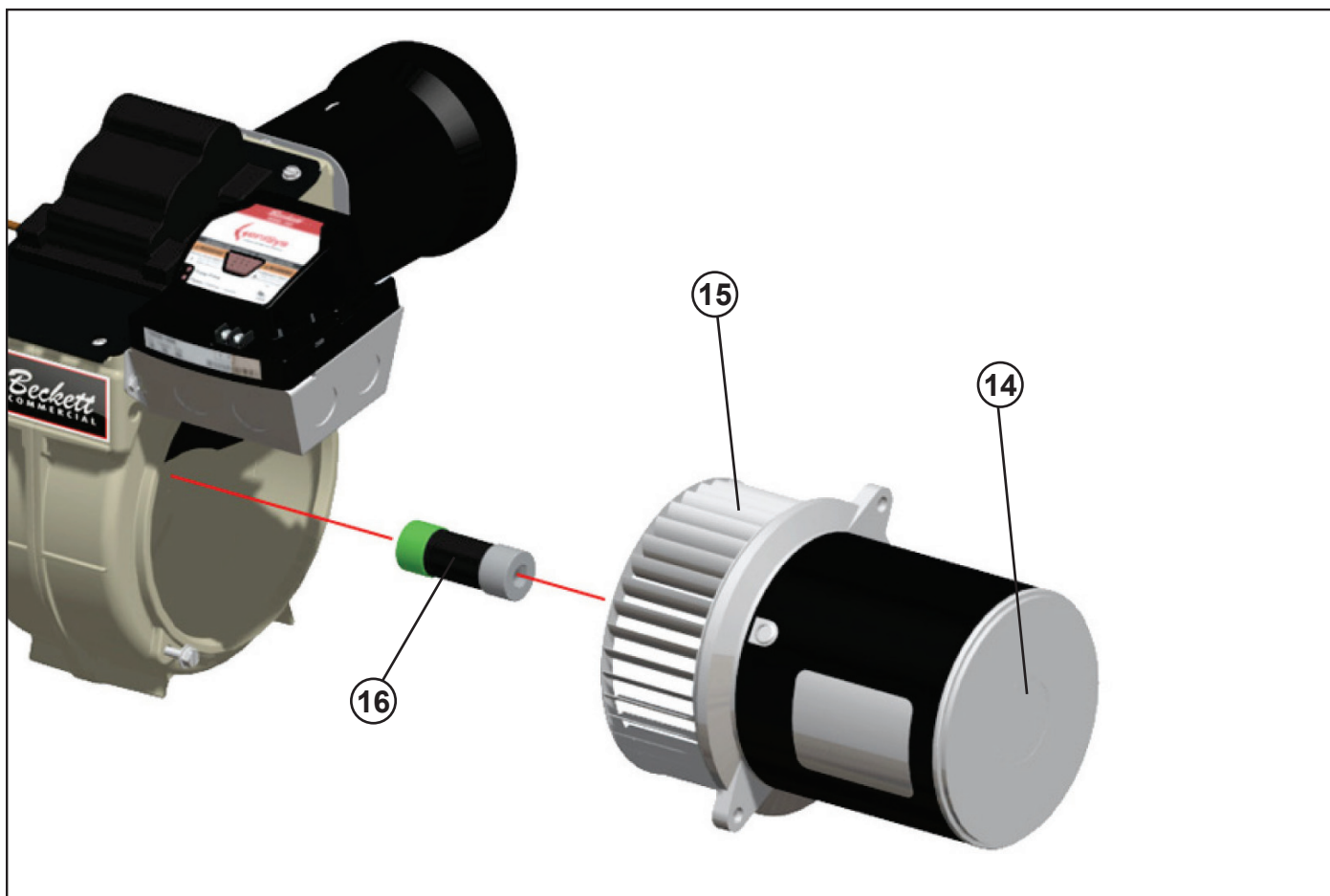
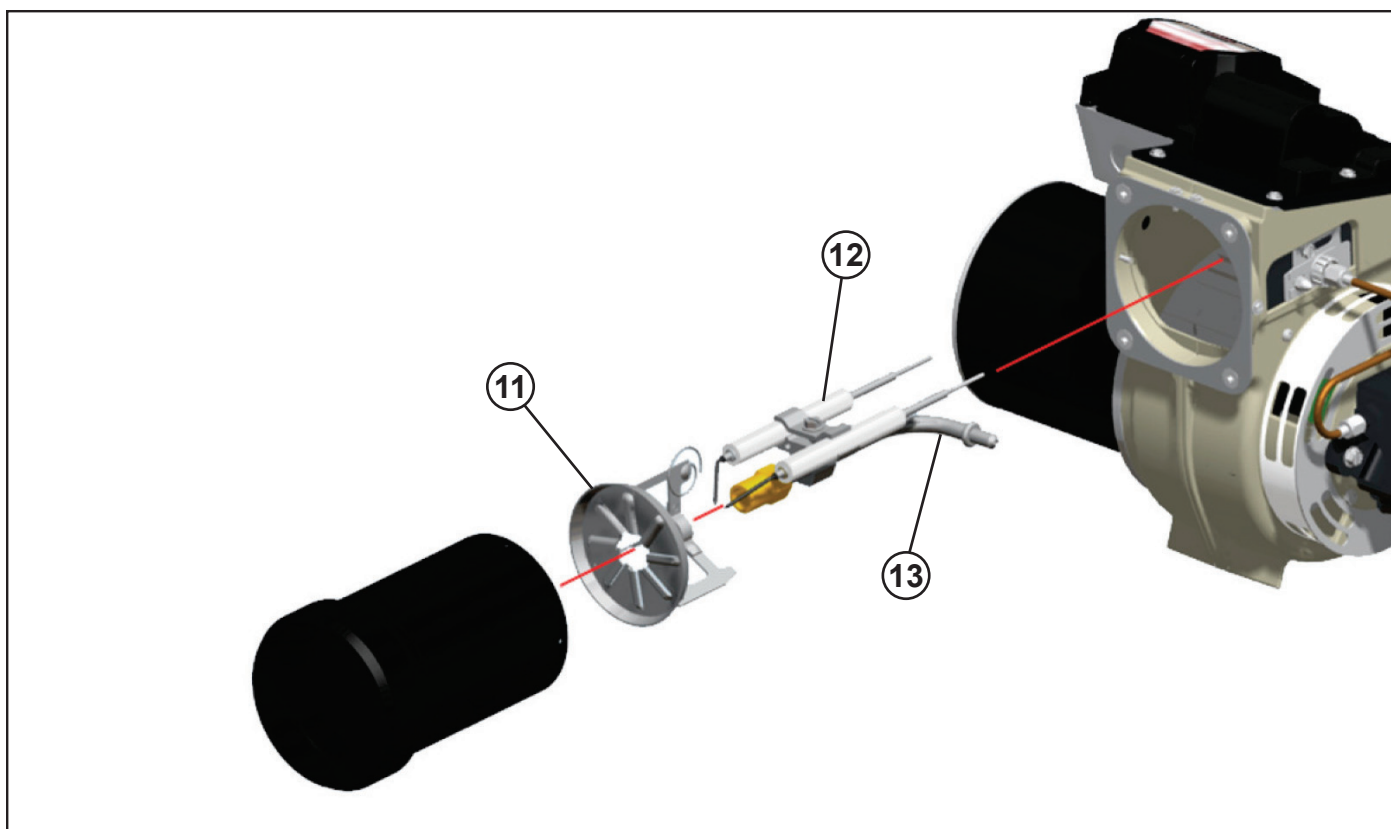
**Includes Beckett Label and Window Gasket

CF375, CF500, CF800 Oil Burner Assembly



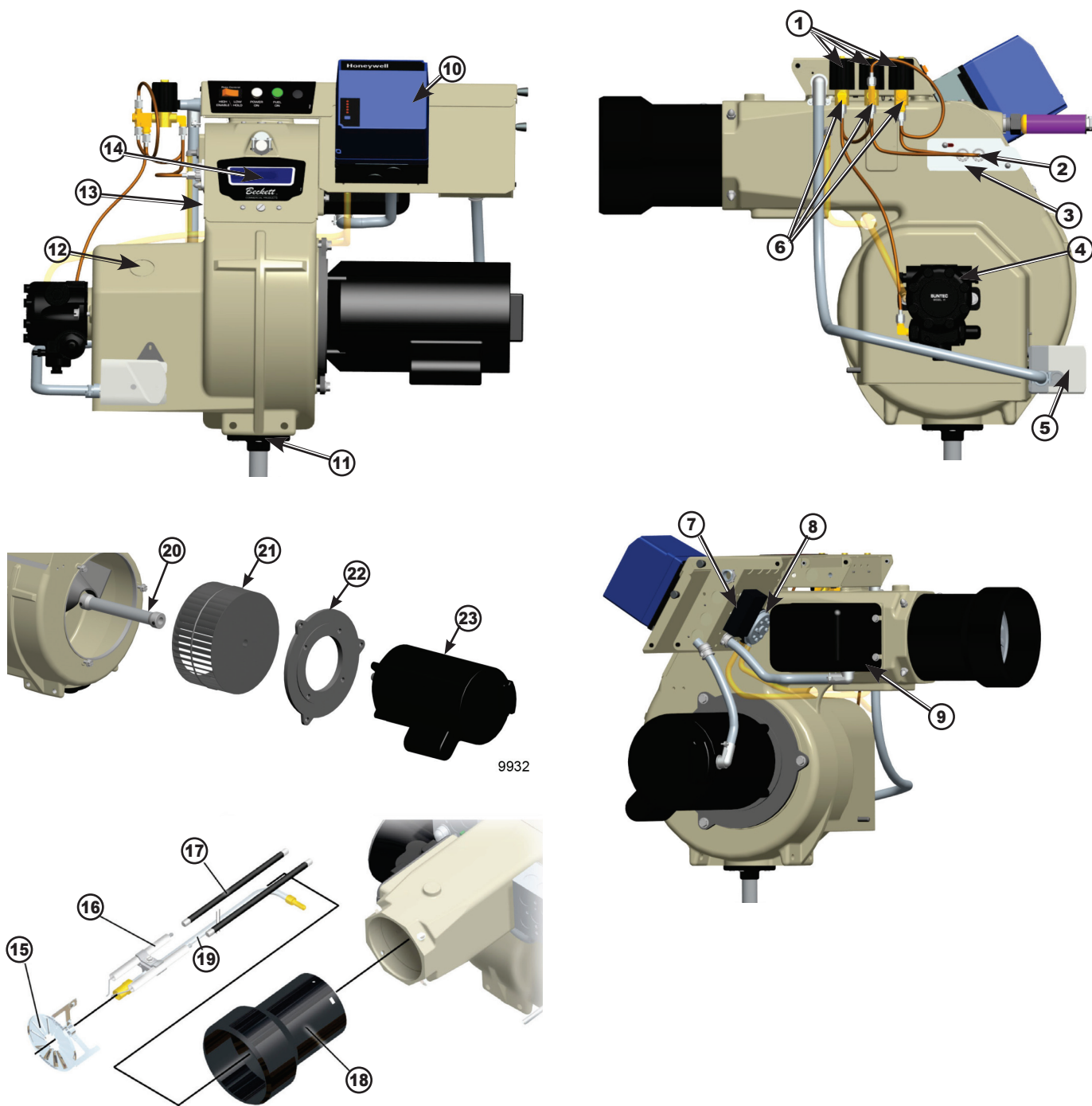
Note: CF500/800 shown, CF375 is similar

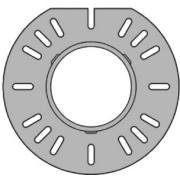
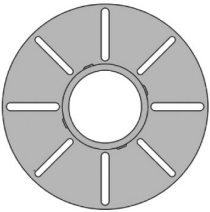
Item	Name/Description	Part Number
1	Air Tube	See Figure 3
2	Spline Nut	3666
3	Adjusting plate assembly	5721
4	Blocking Oil Solenoid Valve	2182602U
5	Igniter	51771U
6	Control	Specify
7	Air Band	3492
8	Air Shutter	3709
9	Fuel Pump	See Table 2
10	Fuel lines	Specify Lengths
11	Head Assembly: KY (Tube A) KZ (Tube B)	5913 51820
12	Electrode Assembly	Refer to Figure 6
13	Nozzle Line Assembly	Refer to Figure 6
14	Motor - 1/7 PSC	21805U
15	Blower Wheel	21837U
16	Coupling	2454
17	Flange Kit (not shown)	5432 - non-pressure fired 51311 - pressure fired



CF1000 thru CF3500 Oil Burner Assembly

Item	Part Name	CF1000 Part No.	CF1400 Part No.	CF2300 Part No.	CF2500/3500 Part No.
1	Oil Valve	217894	217894	217894	21789U
2	Knurled Nut	3666	3666	3666	3666
3	Adjusting Plate Assembly	51213U	51213U 5201701U	51213U 5201701U	5201703U
4	Fuel Pump	21313U	21259U	21487U	21529U
5	Damper Motor	N/A	750601U	750601U	750601U
6	Damper Spring	4339	N/A	N/A	N/A
	Fuel Lines	Specify			
7	Air Proving Switch	22181U	22181U	22181U	22181U
8	Timer	21295U	21295U	21295U	21295U
9	Transformer	51214	51214	51214	51214
10	Control	Specify (7505P1415)			
11	Coupling Hole Plug	32439U	32439U	32439U	32439U
12	Rear cover door assy. (Aluminum Sheet Metal)	5994U 5201301U	5994U 5201301U	51204U 5201302U	51204U 5201302U
13	Sight Glass	51348	51348P	51348P	51348
14	Head Assembly	5978P	51348P	51348P	50348
15	Electrode Assembly	51212	51212	51212	51212
16	Ignition Leads	5990082 5990116 5990152 5990192	5990082 5990116 5990152 5990192	5990082 5990116 5990152 5990192	5990092 5990104 5990126 5990162 5990202
17	Air Tube	Specify			
18	Nozzle Line Assembly	Specify			
19	Coupling	21290	21290	21549	21514
20	Blower Wheel	21268U	21268U	21267U	21528U
21	Motor Mounting Flange	N/A	N/A	31347U	31449U
22	Motor	21401U 21630U	21401U 21630U	21402U 21499U	21527U 21547U 21733U
23	Motor Relay (not shown)	752804 7300 2194301	752804 7300 2194301	752804 7300 2194301	752804 7300 2194301
24	Adjustable Flange	see on Opposite Page Figure A			



 Flange A	 Flange B	Air Tube Model	Flange A	Flange B
		KP	51498	51630
		KM	51498	51630
		KR	N/A	51631

Propane Restrictor Conversion Kit

WARNING

This conversion kit shall be installed by a qualified service agency in accordance with the manufacturer's instructions and all applicable codes and requirements of the authority having jurisdiction. (In Canada, in accordance with the requirements of the CAN/CGA-B149 Installation Code.) If the information in these instructions is not followed exactly, a fire, explosion, or production of carbon monoxide may result causing property damage, personal injury or loss of life. The qualified service agency is responsible for the proper installation of this kit. The installation is not proper and complete until the operation of the converted appliance is checked, as specified in the manufacturer's instructions supplied with the kit.

Please carefully read and comply with the instruction manual supplied with the specific burner being converted.

Product Description

The Beckett Propane Restrictor Conversion Kit allows for the conversion of CG10, CG15, CG25, and CG50 burners for use with propane gas. With the proper installation of the restrictor and attached O-ring, adjustments and settings for propane use will be the same as the adjustments and settings for natural gas use as detailed in the burner manual.

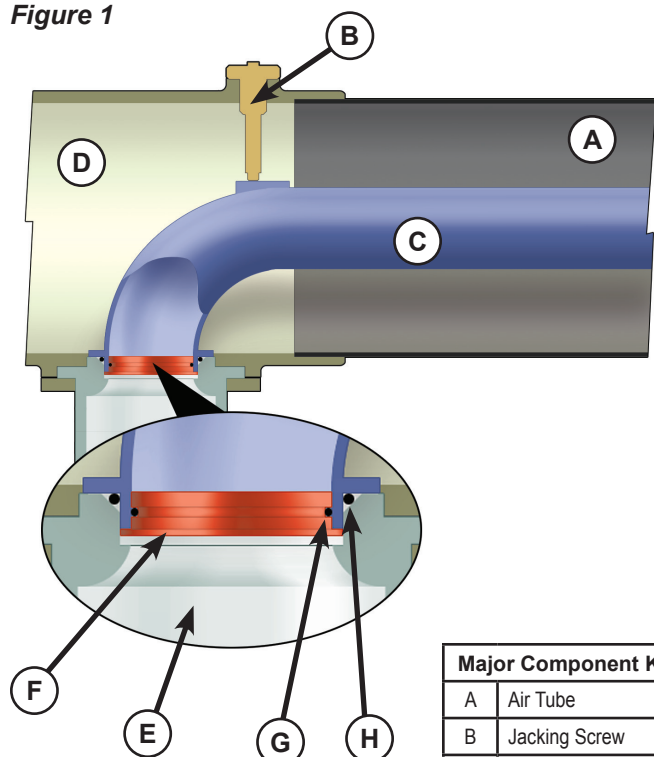
Installation

Note that Steps 1 and 2 on the following page refer to fully assembled burners. Skip to Step 3 when converting a burner without the air tube assembly installed. Refer to the below figures when performing the following steps.

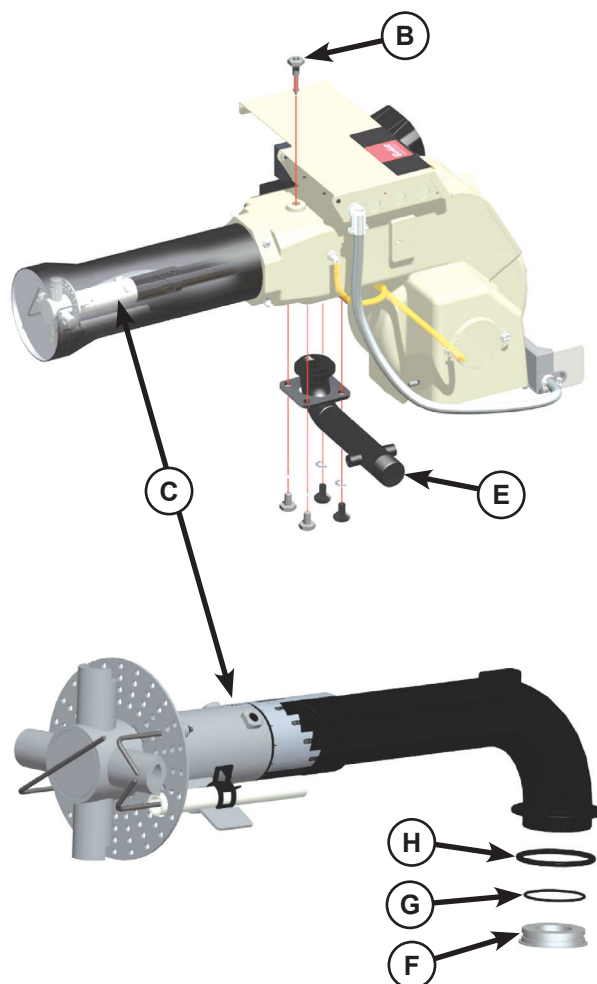
NOTICE

CG15 is shown in the illustrations. CG25 and CG50 are similar. CG10 is similar with the exception of having the gas gun assembly mounted into the air tube instead of the housing.

Figure 1



Major Component Key	
A	Air Tube
B	Jacking Screw
C	Internal Gas Tube
D	Burner Housing
E	External Gas Manifold
F	Propane Restrictor
G	Restrictor O-ring
H	Gas Tube O-ring



NOTICE

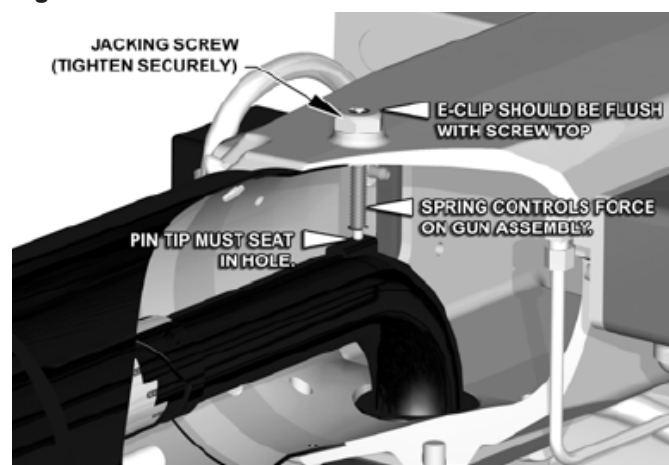
The gun assembly is secured inside the air tube by a spring-loaded jacking screw. It is spring loaded in order to control the force it can impose on the gun assembly. When installing the jacking screw look inside the air tube to verify that the pointed tip of the jacking screw pin is seated into the small slot on the locating pad on top of the gun. There is also an external verification of correct assembly: when the screw is fully tightened, the e-clip on the top of the center pin should come flush with the top of the screw (Reference figure to the right). Follow the steps below referencing the figures to the left.

1. Remove the jacking screw (B) from the housing to free the internal gas tube (C).
2. Gently rock the internal gas tube (C) to loosen the tube from the burner housing (D).
3. Inspect the O-rings and insure that they are properly lubricated. (A silicon O-ring lubricant is recommended, but automotive chassis or bearing grease is an acceptable substitute.)
4. Referring to **Figure 2**, place the restrictor (F) with pre-attached, pre-lubricated O-ring (G) into the internal gas tube (C). Use your hand to press the restrictor into the tube. The O-ring will hold the restrictor in place.
5. Insure that the O-ring (H), attached to the outside diameter of internal gas tube, is properly lubricated and seated against the flange on the internal gas tube.
6. Install the internal gas tube (C) back into the housing, refer to **Figure 1**. Fit the end of the tube into the external gas manifold (E).
7. Re-install the jacking screw (B). (Refer to the above notice for installation details.)
8. Fill out and place the supplied Conversion Data Plate adjacent to the rating plate.
9. Complete and attach the supplied Adjustment Data Tag to the burner.

NOTICE

With the gas restrictor installed, as shown in **Figures 1 & 2**, all burner air adjustments and gas manifold pressure adjustments for propane will be approximately the same as the natural gas adjustments shown in the burner manual, or printed on the "Mfr's Settings" label on the burner housing. For a copy of the current burner manual go to <http://www.beckettcorp.com/protect/tech.asp>. If further technical assistance is required, call 800-645-2876, Monday thru Friday, 8AM to 5PM EST.

Figure 2



NOTICE

Use authorized replacement parts only. Restrictors are precision-machined parts and O-rings are rated for fuel contact. Do not attempt to replicate or modify any parts. Refer to below table.

Replacement Part Numbers

Burner Model	Restrictor Part Number	Restrictor Inside Diameter
CG10.1	3246700U	0.401
CG10.2	3246701U	0.432
CG10.3, CG10.2S	3246702U	0.470
CG10.1S	3246703U	0.418
CG10.3S, CG10.6S	3246705U	0.510
CG10.4	3246723U	0.547
CG10.4S	3246706U	0.459
CG10.5	3246724U	0.578
CG10.5S	3246707U	0.482
CG10.6	3246725U	0.594
CG15.1S	3246709U	0.532
CG15.2S	3246710U	0.576
CG15.3S	3246711U	0.623
CG15.4S	3246712U	0.677
CG25.1S	3246713U	0.712
CG25.2S	3246714U	0.742
CG25.3S	3246715U	0.796
CG25.4S	3246716U	0.833
CG25.5S	3246717U	0.889
CG50.1S	3246718U	0.925
CG50.2S	3246719U	0.980
CG50.3S	3246720U	1.031
CG50.4S	3246721U	1.103
CG50.5S	3246722U	1.150

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Limited Warranty Information

The R. W. BECKETT CORPORATION ("Beckett") warrants to persons who purchase its "Products" from Beckett for resale, or for incorporation into a product for resale ("Customers"), that its equipment is free from defects in material and workmanship. To qualify for warranty benefits, products must be installed by a qualified service agency in full compliance with all codes and authorities having jurisdiction, and used within the tolerances of Beckett's defined product specifications.

To review the complete warranty policy and duration of coverage for a specific product, or obtain a written copy of warranty form 61545, please choose one of the following options:

1. Visit our website at: www.beckettcorp.com/warranty
2. Email your request to: rwb-customer-service@beckettcorp.com
3. Write to: R. W. Beckett Corporation, P. O. Box 1289, Elyria, OH 44036

NOTE: Beckett is not responsible for any labor cost for removal and replacement of equipment.

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