



BURNER SPEC & DATA SHEET

SERIES CC™

POWER FLAME MODEL “CR” BURNER FOR GAS, LIGHT OIL, AND GAS/LIGHT OIL

STANDARD EQUIPMENT

1. Control panel with on/off control switch, power-on and main fuel lights and terminal strip.
2. Spark ignited gas pilot.
3. Air flow safety switch.
4. Cadmium cell flame detector for oil and ultraviolet flame detector for gas and gas/oil.

OPTIONAL EQUIPMENT

1. Step-down control circuit transformer and control circuit fuse.
2. Proven low fire start for L-H-O and L-H-L control systems.
3. Controls to comply with FM, IRI and other codes. Contact your local Peerless® Representative or PB Heat, LLC for availability.
4. Various combustion controls. Contact your local Peerless® Representative or PB Heat, LLC for availability.
5. Burner motor voltages: 230/60/1, 208/60/3, 230/60/3. 460/60/3 (see table for standard voltage).

Standard Control Systems:

O-O - On-off operation with one position air (CC-03 thru CC-05).

L-H-L - Low-high-low operation with low fire start and two position air (CC-06 thru CC-12).

Optional Control Systems:

L-H-O - Low-high-off operation with low fire start and two position air (CC-03 thru CC-05).

L-H-L - Low-high-low operation with low fire start and two position air (CC-03 thru CC-05).

MOD - Full modulation with proven low fire start. Requires potentiometer control.

POWER FLAME MODEL "CR" BURNER FOR GAS, LIGHT OIL, AND GAS/LIGHT OIL

BOILER MODEL	I=B=R INPUT (1)		OVERFIRE PRESSURE IN. W.C. (2)	STANDARD BURNER MODEL		
	GAS MBH	OIL GPH		GAS	OIL	GAS/OIL
CC-03	N/A	N/A	N/A	N/A	N/A	N/A0
CC-04	504	3.60	+0.28	CR1-G-10	CR1-0A	CR1-GO-10
CC-05	700	5.00	+0.30	CR1-G-10	CR1-0A	CR1-GO-10
CC-06	910	6.50	+0.33	CR1-G-12	CR1-0A	CR1-GO-12
CC-07	1106	7.90	+0.36	CR2-G-15	CR2-0A	CR2-GO-15
CC-08	1302	9.30	+0.39	CR2-G-15	CR2-0A	CR2-GO-15
CC-09	1512	10.80	+0.42	CR2-G-15	CR2-0A	CR2-GO-15
CC-10	1708	12.20	+0.45	CR2-G-15	CR2-0A	CR2-GO-15
CC-11	1904	13.6	+0.48	CR2-G-20A	CR2-0A	CR2-GO-20A
CC-12	2100	15.00	+0.51	CR2-G-20B	CR2-0B	CR2-GO-20B

(1) Based on No. 2 fuel oil with a heating value of 140,000 BTU/gal. and Natural Gas with a heating value of 1000 BTU per cu. ft., 0.60 specific gravity at a maximum altitude of 2000 ft. Consult factory for higher altitudes.

(2) With + 0.10" W.C. at flue outlet when firing at I=B=R Input.

BOILER MODEL	STANDARD COMBUSTION CONTROL			STANDARD CONTROL SYSTEM	MOTOR HP		STANDARD MOTOR VOLTAGE	
	GAS	OIL	GAS/OIL		GAS	OIL	GAS	OIL
CC-03	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
CC-04	RM7897A/UV	R7284P/CC	RM7897C/UV	O-O	1/3	1/3	115/60/1	115/60/1
CC-05	RM7897A/UV	R7284P/CC	RM7897C/UV	O-O	1/3	1/3	115/60/1	115/60/1
CC-06	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	1/3	1/2	115/60/1	115/60/1
CC-07	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	1/2	3/4	115/60/1	230/60/1
CC-08	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	3/4	3/4	115/60/1	230/60/1
CC-09	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	3/4	3/4	115/60/1	230/60/1
CC-10	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	3/4	3/4	115/60/1	230/60/1
CC-11	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	1	1	230/60/1	230/60/1
CC-12	RM7897A/UV	R7284P/CC	RM7897C/UV	L-H-L	1 1/2	1 1/2	230/60/1	230/60/1

POWER FLAME MODEL "CR" BURNER FOR GAS, LIGHT OIL, AND GAS/LIGHT OIL

BOILER MODEL	STANDARD GAS CONTROL TRAIN		
	SIZE NPT	PRESSURE - INCHES W.C.	
		MIN.	MAX.
CC-03	N/A	N/A	N/A
CC-04	1"	4.1	14
CC-05	1"	4.3	14
CC-06	1"	5.4	14
CC-07	1"	6.2	14
CC-08	1.25"	5.3	14
CC-09	1.25"	5.7	14
CC-10	1.50"/1.25"	5.3	14
CC-11	1.50"	6.3	14
CC-12	2.00"/1.50"	4.0	14

BOILER MODEL	NOZZLES - DELAVAN			OIL PRESSURE	STANDARD FUEL UNIT	
	QTY	GPH	PATTERN	HIGH FIRE	SUNTEC	GEARSET GPH (3)
CC-03	N/A	N/A	N/A	N/A	N/A	N/A
CC-04	1	2.25	90 B	260	B2TA-8249	21
CC-05	1	3.00	80 B	280	B2TA-8249	21
CC-06	1	4.00	90 A	265	B2TA-8249	21
CC-07	1	4.50	80 A	300	B2TA-8852	39
CC-08	1	5.50	80 A	285	B2TA-8852	39
CC-09	1	6.50	70 A	275	B2TA-8852	39
CC-10	1	7.00	80 A	300	B2TA-8852	39
CC-11	1	8.00	80 A	290	B2TA-8852	39
CC-12	1	9.00	80 A	280	B2TA-8852	39

(3) For sizing filters, piping and remote pump sets. Not a U.L. nozzle rating.

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