



RSUB-5-A

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Boiler FLA	1*
Input BTU/hr.	301,000 / 88 kW	Min. Gas Pressure Required	5" W.C.**
Output BTU/hr.	249,830 / 73 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	120VAC / 1 ph / 60 hz	Operating Weight	231 lbs. / 105 kg.

TEMPERATURE RISE / PRESSURE DROP

10° F / 5.5° C				20° F / 11.1° C				30° F / 16.7° C			
Flow Rate		Pressure Drop		Flow Rate		Pressure Drop		Flow Rate		Pressure Drop	
GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa	GPM	L/s	Ft	kPa
49.8	3.1	0.82	2.4	24.9	1.6	0.23	0.7	16.6	1.0	0.10	0.3
49.8*	3.1	5.89	17.3	24.9	1.6	1.63	4.8	16.6	1.0	0.80	2.3

2 Pass
4 Pass

*Flow exceeds recommended maximum use a greater temperature rise or consult manufacturer. Cupro-Nickel heat exchanger should be considered.

BOILER TRIM & CONTROLS

Gas Valve - CON	Honeywell VR8300A 3/4"	Ignition Control	Honeywell S8610M
Gas Valve - INT	Honeywell VR8304M 3/4"	Relief Valve - SW	3/4" x 3/4" set @ 125 psi
Gas Valve	Honeywell VR8304Q 3/4"- 2 Stg.	Relief Valve - SB	3/4" x 3/4" set @ 30 psi
Operating Control (SB)	Jumo - Std Pilot/On/Off	High Limit (SB)	Honeywell L4008E
Operating Control (SW)	Jumo - Std Pilot/On/Off	High Limit (SW)	Honeywell L4008E
Operating Control (SB/SW)	Honeywell L6008G - 2 Stage		

RECOVERY CAPACITY

40°F	22° C	60°F	33° C	80°F	44° C	100°F	56° C	120°F	67° C	140°F	78° C
750	2838	500	1892	375	1419	300	1135	250	946	214	811

A.S.M.E.

ASME Sect IV Htg Surface	42.5 Sq. Ft. / 3.95 Sq. M.	Design Data	Max. 160 psig & 250° F
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NOTE: Dimensions are approximate and should not be used to "rough-in" equipment.

* Add circulator amps.

**For incoming gas pressures lower than 5" W.C. natural or 12" W.C. propane, consult factory.

REP FIRM _____
SUBMITTED BY _____
JOB NAME _____
ARCHITECT _____
ENGINEER _____
CONTRACTOR _____
DATE _____

SPECTRUM 300

Category I Appliance

Must be vented into a negative pressure vent system.



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