



RSUB-1-A

A.G.A. CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Boiler FLA	1*
Input BTU/hr.	100,000 / 29 kW	Min. Gas Pressure Required	5" W.C.**
Output BTU/hr.	82,000 / 24 kW	Max. Gas Pressure Allowed	14" W.C.
Electrical Requirements	120VAC / 1 ph / 60 hz	Operating Weight	151 lbs. / 69 kg.

TEMPERATURE RISE / PRESSURE DROP

10° F / 5.5° C				
Flow Rate		Pressure Drop		
GPM	L/s	Ft	kPa	
16.4	1.0	0.05	0.1	2 Pass
16.4	1.0	0.34	1.0	4 Pass

BOILER TRIM & CONTROLS

Gas Valve - CON	Honeywell VR8300A 1/2"	Ignition Control	Honeywell S8610M
Gas Valve - INT	Honeywell VR8304M 1/2"	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)	Jumo
Operating Control (SW)	Jumo - Std Pilot/On/Off	High Limit (SW)	Jumo
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
246	932	164	621	123	466	98	373	82	311	70	266

A.S.M.E.

ASME Sect IV Htg Surface	19.1 Sq. Ft. / 1.77 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 100

Category I Appliance

Must be vented into a negative pressure vent system.



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