

BOILER CERTIFIED RATINGS & CAPACITIES

Fuel Type	Natural/Propane Gas	Boiler FLA	1*
Input BTU/hr.	100,000 / 29 kW	Min. Gas Pressure Required	5" WC**
Output BTU/hr.	82,000 / 24 kW	Max. Gas Pressure Allowed	14" WC
Electrical Requirements	120VAC / 1 ph / 60 hz	Operating Weight	164 lbs. / 74 kg.

BOILER / WATER HEATER TRIM & CONTROLS

Gas Valve - INT	Honeywell VR8304M 1/2"	Ignition Control (SB)	Honeywell S9361A2085
Gas Valve	Honeywell VR8304Q 3/4" - 2 Stg.	Ignition Control (SW)	Honeywell S86IOM
Operating Control (SB/SW)	Honeywell - On/Off	Relief Valve - SW	3/4" x 3/4" set @ 125 psi
Operating Control (SW)	Jumo - 2 Stage	Relief Valve - SB	3/4" x 3/4" set @ 30 psi
High Limit (SB/SW)	Jumo	Flow Switch	TACO

A.S.M.E.

ASME Sect IV Htg Surface	19.1 Sq. Ft. / 1.77 Sq. M.	Design Data	Max. 160 psig & 250°F
Water Volume	1.1 gal / 4.05 Liters		

* Add circulator amps.

** For incoming gas pressures lower than 5" WC natural or 11" WC propane, consult factory.

BOILER 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

WATER HEATER HOURLY RECOVERY CAPACITY (GPH & LPH)

40°F	22°C	60°F	33°C	80°F	44°C	100°F	56°C	120°F	67°C	140°F	78°C
240	908	160	605	120	454	96	363	80	303	69	259

**Spectrum 100 model boiler & water heater not available for sale in the U.S. market due to DOE regulations.
Spectrum 100 model water heater not available for sale in Canada.**

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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