



Project \_\_\_\_\_  
 Item # \_\_\_\_\_  
 Quantity \_\_\_\_\_

# Powermite® Gas Booster Water Heaters

Models: PMG-100, -200

The Hatco Powermite® Gas Booster Water Heater provides 180°F (82°C) sanitizing hot water and long life dependability. Designed to fit under the dishtable, near the dishwasher, to minimize the heat loss that can occur when heaters are installed in a remote location. They can operate on either natural or propane gas and feature a burner system that utilizes both primary and secondary air for consistent ignition.

## Standard features

- Stainless steel tanks
- Stainless steel front and top, with powdercoated sides and back (stainless steel body available)
- Finned tube copper heat exchanger
- Spark to light with standing pilot
- Three tube type burners in the PMG-100, six tube type burners in the PMG-200
- Temperature/pressure relief valve
- Pressure reducing valve
- Two temperature/pressure gauges
- Low-water cut-off
- Blended phosphate water treatment system
- Shock absorber



## Options (available at time of purchase only)

- Stainless steel body and base
- Security package (Torx® screws and control cover)

## Accessories

- Brass Pressure Reducing Valve
- Stainless steel floor mounting leg assembly
- 6"-7" (152-178 mm) Adjustable Stainless Steel Legs (4)
- Air Interlock Switch
- Back Pressure Relief Valve
- High Altitude Orifice Kit (PMG-200 only)

## BOOSTER SIZING

### Water Temperature Recovery Table in GPH (LPH) and °F (°C)

Model	Input MBH (1,000 BTU/HR)	Temperature Rise				
		30° (16°)	40° (22°)	50° (28°)	60° (33°)	70° (39°)
PMG-100	105	321 (1215)	241 ( 912)	193 ( 731)	161 ( 610)	138 (522)
PMG-200	195	602 (2279)	452 (1711)	361 (1367)	301 (1139)	258 (977)

**Note:** Installations above 2,000 ft. (610 m) will reduce the above capacities and may require orifice changes to meet IAS safety compliance. Consult "Installation and Operating Manual" for sizing adjustments and orifice changes.

## WATER QUALITY REQUIREMENTS

Incoming water in excess of 3.0 grains of hardness per gallon (GPG) (.75 grains of hardness per liter) must be treated and softened before being supplied to booster heater(s). Water containing over 3.0 GPG (.75 GPL) will decrease the efficiency and reduce the operating life of the unit.

**Note: Product failure caused by liming or sediment buildup is not covered under warranty.**

IFS anti-microbial coatings use naturally-occurring, environmentally sustainable, silver ions to help inhibit the growth of microbes on the powder coated surface. See [www.hatcocorp.com/antimicrobial-paint](http://www.hatcocorp.com/antimicrobial-paint) for more information.

For operation, location and safety information, please refer to the Installation and Operating Manual.



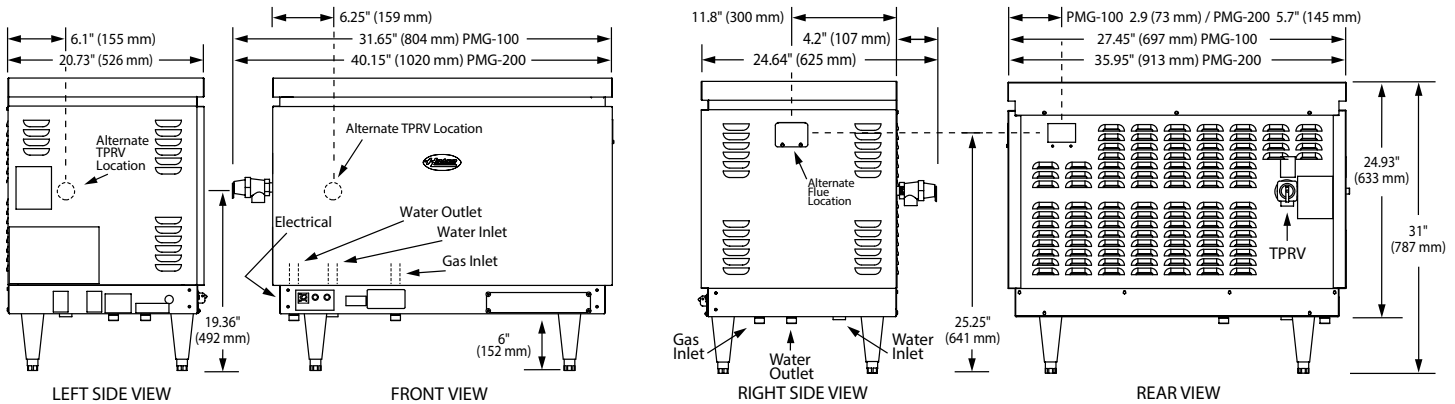
HATCO CORPORATION | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A. | (414) 671-6350

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# Powermite® Gas Booster Water Heaters

Models: PMG-100, -200



Models PMG-100 & PMG-200

## SPECIFICATIONS Powermite® Gas Boosters

Model	Dimensions (Width x Depth x Height*)	Capacity	Fuel	Vent <sup>^</sup>	Ship Weight*
PMG-100	27.45" x 20.73" x 31" (720 x 625 x 787 mm)	Input 105,000 BTUs/Hour Output – 84,800 = 24.8kW	Natural at 3.5" (89 mm) high burn or Propane/LP at 10" (254 mm) high burn	Forced draft system with 4" (102 mm) diameter vent pipe adapter	193 lbs. (88 kg) dry
PMG-200	35.95" x 24.64" x 31" (913 x 625 x 787 mm)	Input 195,000 BTUs/Hour Output – 156,000 = 45.7kW			228 lbs. (103 kg) dry

\* Shipping weight includes packaging.

\* Height includes 6" (152 mm) legs.

If using supplied right angle duct adaptor, add 6" (152 mm) to width or depth of unit.

<sup>^</sup> Before installing any method of venting you should contact the local code authority or your gas supplier to make sure that the final installation will be acceptable to the authorities who have jurisdiction. The proper method of venting a power vented gas appliance is too complicated to cover in this specification sheet and is explained in detail in the National Fuel Gas Code. Before installing the venting system, the person or agency making the installation must be familiar and experienced with the guidelines of the National Fuel Gas Code.

**ALL INSTALLATIONS MUST BE MADE BY A QUALIFIED INSTALLER IN ACCORDANCE WITH THE NATIONAL FUEL GAS CODE OR LOCAL CODES.**

### Electrical

120 VAC, 360 watt, 3.00 amps

### Connections

Gas – ¾" NPT, Water – ¾" NPT  
Electric – 120 VAC, 15 amp

### Fluing

Direct – combustion air enters bottom, flue gasses exit right side or back at top of unit. 4" (102mm) flue round

### Operating Water Pressure

150 PSI (1034 kPa) max. Relief valve set at 150 PSI (1034 kPa), 210° F (99° C)

### Operating Pressure Specifications at Manifold

Gas Type	Water Column at Pressure Tap	
	High Burn	
Natural	3.5" ( 89 mm)	
Propane/LP	10" (254 mm)	

### Gas Inlet Pressure

Gas Type	Water Column	
	Minimum	Maximum
Natural	5" (127 mm)	10.5" (267 mm)
Propane/LP	11" (254 mm)	13" (330 mm)

## PRODUCT SPECS Gas Booster Water Heaters

The Gas Booster Water Heater shall be a Powermite® model manufactured for commercial use by the Hatco Corporation, Milwaukee, WI 53234 U.S.A.

The booster shall have the capacity to heat ... gph (lph) from 110°F to 180°F (43°C to 82°C) and it shall berated at ... btu, 120 volts, single phase. The stainless steel tank shall be designed for a working pressure of 150 psi (1034 kPa) and hydrostatically tested at 300 psi (2069 kPa).

The heater shall be complete with all internal plumbing, including ¾" NPT pipe and fittings from inlet and outlet. All controls shall be built-in, and carry safety approval in accordance with ANSI 21.10.3. Sanitary approval shall be in accordance with NSF Standard 5. Proper surface mounting circuit breaker or fused disconnect switch shall be provided by electrical contractor.

The gas fired heating system shall be controlled by close tolerance immersion thermostats. The booster shall be protected with high temperature limit switch (ECO) and low water cut-off.

The heater shall consist of stainless steel front, top and stainless steel adjustable legs or stainless steel front and silver-gray hammertone sides and back with standard 6" (152 mm) legs.

The heater shall include a temperature/pressure relief valve, high-temperature limit, pressure reducing valve with bypass, indicating temperature/pressure gauge, shock absorber, and blended phosphate water treatment system.

Warranty consists of 24/7 parts and service assistance (US and Canada only).

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