



Project _____

Item # _____

Quantity _____

Powermite® Gas Booster Water Heaters

Model: 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 powdercoat 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.



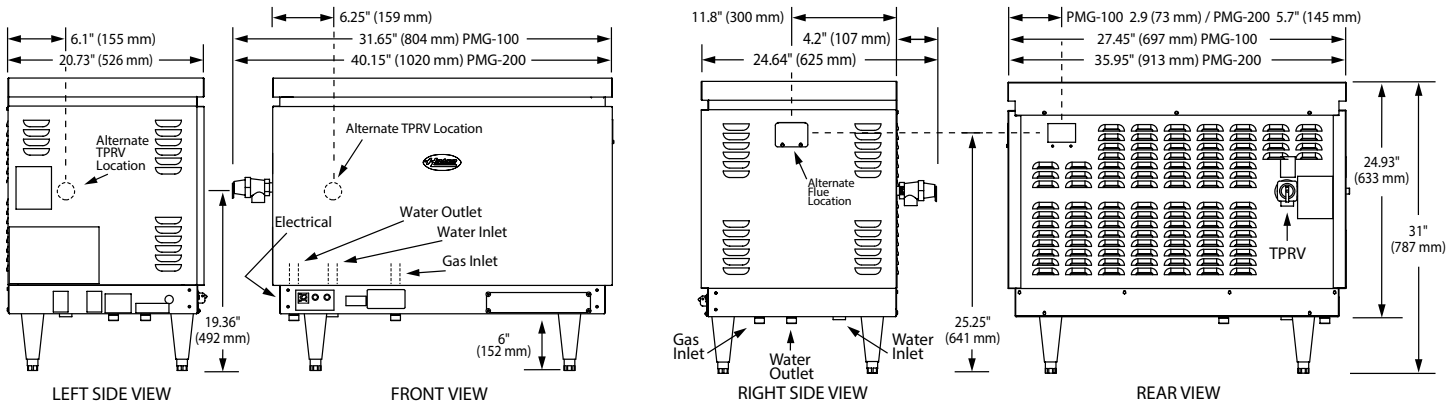
HATCO CORPORATION | P.O. Box 340500 Milwaukee, WI 53234-0500 U.S.A. | (800) 558-0607 | (414) 671-6350

Fax: (800) 543-7521 | Int'l. Fax: (414) 671-3976 | www.hatcocorp.com | equipmentsales@hatcocorp.com or intl@hatcocorp.com



Powermite® Gas Booster Water Heaters

Model: PMG-100, -200



Models PMG-100 & PMG-200

SPECIFICATIONS Atmospheric Hot Water Dispenser

| Model | Dimensions (Width x Depth x Height*) | Capacity | Fuel | Vent [^] | 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 | 180 lbs. (82 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 | | | 215 lbs. (98 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.

[^] 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 - 3/4" NPT, Water - 3/4" 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 Heater

The Gas Booster Water Heater to supply the final 180°F (82°C) rinse for the dishwasher shall be a Hatco Powermite® Model ... as 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 3/4" 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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