



POWERMITE® GAS BOOSTER WATER HEATERS

Models PMG-60, PMG-100, PMG-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, minimizes the heat loss that can occur when heaters are installed in a remote location.

FLEXIBILITY

All models can operate on either natural or propane gas and feature a burner system that utilizes both primary and secondary air for consistent ignition.

PMG-60... for single tank, door-type machines. It has 58,000 BTU heating capacity with a storage capacity of 3.2 gallons (12 liter) and has an output equivalent to approximately 13.5kW. This unit can naturally and safely vent directly into the room. Consult local codes for venting requirements. The PMG-60 can increase the temperature of 135 gallons/hour (511 liter/hr) by 40° F (22° C).

PMG-100... for 2-tank, conveyor machines. It has 105,000 BTU heating capacity with a storage capacity of 5 gallons (19 liter) and has an output equivalent to approximately 24kW. The PMG-100 can increase the temperature of 241 gallons/hour (912 liter/hr) by 40° F (22° C).

PMG-200... for large, conveyor-type, dishwashing operations. It has 155,000 BTU heating capacity with a storage capacity of 5 gallons (19 liter) and has an output equivalent to approximately 45kW. The PMG-200 can increase the temperature of 452 gallons/hour (1711 liter/hr) by 40° F (22° C).

Models PMG-100 and -200 use a forced draft system with a 4" (102 mm) diameter adapter provided to allow the installer to hook up the exhaust venting to meet regulatory and local codes.

QUALITY

The following features assure the best performance for years to come:

- Stainless steel tanks.
- Stainless steel front and top, with powdercoat sides and back (stainless steel body available).
- Finned tube copper heat exchangers.
- Spark to light with standing pilot.
- Eight blade-type burners in the PMG-60, 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.



Model PMG-60 with optional Stainless Steel Body and Stainless Steel Hood



Model PMG-100



Model PMG-200

BOOSTER SIZING

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

Model	Input MBH (LGB- BTU/Hr)	Temperature Rise				
		30° (15°)	40° (22°)	50° (28°)	60° (30°)	70° (39°)
PMG-60	58	181 (680)	135 (511)	105 (400)	90 (340)	77 (290)
PMG-100	105	321 (1215)	241 (910)	193 (720)	163 (610)	138 (520)
PMG-200	155	602 (2220)	452 (1710)	361 (1340)	305 (1130)	258 (970)

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

WATER QUALITY REQUIREMENTS

Heating water in excess of 4.8 grains of hardness per gallon (GPG) (7.5 grains of hardness per liter) must be treated prior to being supplied to heated vessels. Water containing over 5.0 GPG (7.5 GPD) will decrease the efficiency and reduce the operating life of the unit.

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



Approved by



ASME



UL

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Form No. PMG-100-1000

Replaces SCL-1
Revised 01/95

Hatco Pmg 200 Heaters Owners Manual

**American Gas Association. Committee
on Gas Appliance Installation and
Service Manuals**

Hatco Pmg 200 Heaters Owners Manual:

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1956 Stewart-Warner Corporation. South Wind Division,1956 *South Wind Service Manual* Stewart-Warner Corporation.
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