

Negative Air Pressure Issues Are Eliminated

By Drawing Combustion Air From Outside The Building

Installs With 3" Or 4" Schedule 40 PVC Pipe

No Masonry Or Metal Vent Chimney Required

120V/1.5 Amps Required

Available in 100 Gallon Tank-Type Models

▶ 150,000 BTU/Hr. Thru 250,000 BTU/Hr.

VentMaster power direct vent gas commercial water heaters by Rheem-Ruud are designed to fill the need wherever large quantities of hot water are required. Typical installations include restaurants, hotels, laundromats and multiple family housing.

Construction Features:

- **Non-condensing design** – helps prevent corrosion – no condensate pump or drain needed.
- **Integral automatic blower** – with 110/120 volt electrical system.
- **Patented multi-flue tank design** – proprietary steel formulation, patented multi-flue design, and two coats of high temperature porcelain enamel to maximize corrosion resistance result in a superior heat exchanger design.
- **Spark-To-Pilot ignition system** – standard on both models. Provides reliable and energy saving ignition sequencing by igniting the pilot only when the thermostat calls for heat.
- **Base rail design** – for better handling when moving and positioning the unit.
- **System Sentinel™ LED diagnostic system** – our exclusive diagnostic system, with glowing LED lights, verifies system operation sequence by sequence.
- **Full port, full flow brass drain valve**
- **Temperature and pressure relief valve** – AGA/ASME rated and factory installed.
- **Hand-hole cleanout** – for removal of lime/sediment deposits.
- **Gas control system** – fully adjustable thermostat from 100° F to 180° F, 24 volt combination gas valve includes main gas pressure regulation, on-off manual valve, 120/24 volt transformer, and high limit temperature cut-out.

Certifications and Ratings:

- **Efficiency** – these models have been tested according to ANSI test procedures, and meet or exceed thermal efficiency and standby loss requirements of current ASHRAE standards. (Part of the Federally mandated Energy Policy Act (EPact)). Also exceeds energy efficiency codes of all states including California Energy Commission (CEC).
- **Safety and construction** – these products are design certified by CSA:
 - a) For operation up to 180°F.
 - b) To meet all safety and construction requirements of ANSI Z21.10.3.
 - c) As an automatic storage or instantaneous water heater.
 - d) As an automatic circulating tank water heater.
 - e) For operation on combustible floors and in alcove installations.
 All models are North Carolina Code compliant.

CERTIFIED FOR A 150 PSI MAXIMUM WORKING PRESSURE (160 PSI FOR ASME MODELS).
- **Optional construction** – ASME construction is available on designated models.

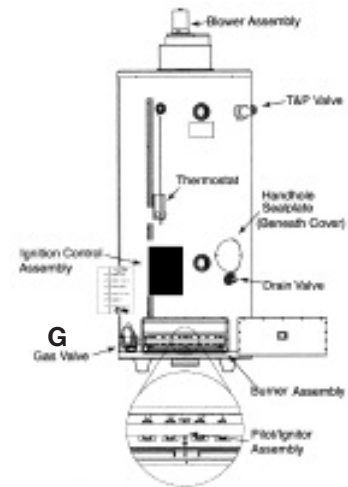
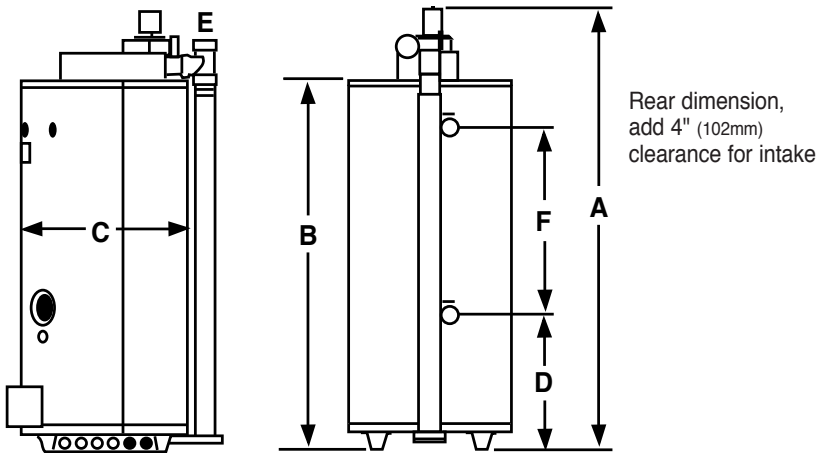
| RECOVERY CAPACITIES Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises. | | | | | | | | | | | | | |
|---|---------------|-------|-------------|-------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|--------------|
| MODEL NUMBER | INPUT BTU/HR. | UNITS | 40°F (22°C) | 50°F (28°C) | 60°F (33°C) | 70°F (39°C) | 80°F (45°C) | 90°F (50°C) | 100°F (56°C) | 110°F (61°C) | 120°F (67°C) | 130°F (72°C) | 140°F (78°C) |
| GP100-150 | 150,000 | GPH | 364 | 291 | 242 | 208 | 182 | 161 | 146 | 132 | 122 | 112 | 104 |
| | | LPH | 1380 | 1103 | 917 | 788 | 690 | 610 | 553 | 500 | 462 | 424 | 394 |
| GP100-200 | 199,900 | GPH | 485 | 388 | 323 | 277 | 242 | 215 | 194 | 176 | 162 | 149 | 138 |
| | | LPH | 1838 | 1471 | 1224 | 1050 | 917 | 815 | 735 | 667 | 45 | 565 | 523 |
| GP100-250(A) | 250,000 | GPH | 606 | 485 | 404 | 346 | 303 | 269 | 242 | 220 | 202 | 186 | 173 |
| | | LPH | 2294 | 1835 | 1529 | 1311 | 1147 | 1020 | 918 | 834 | 765 | 706 | 655 |

| CLEARANCE TO COMBUSTIBLES (inches and mm) | | | |
|---|------|-------|-------|
| MODEL NUMBER | SIDE | REAR | TOP |
| GP100-150 | 2" | 6" | 18" |
| GP100-200 | 51mm | 153mm | 459mm |
| GP100-250(A) | | | |

| MAXIMUM DELIVERY In U.S. Gallons and Liters. (Includes useable storage and recovery for indicated times.) | | | | | | | | | | | | | |
|---|-------------------|---------------|------------|-------|--------|---------|---------|---------|---------|---------|---------|--------------------------|--|
| MODEL NUMBER | TANK CAP. GALLONS | INPUT BTU/HR. | TEMP. RISE | UNITS | 5 Min. | 10 Min. | 15 Min. | 20 Min. | 30 Min. | 45 Min. | 60 Min. | Minutes to Rec. Contents | |
| GP100-150 | 100 | 150,000 | 100 °F | GAL | 82 | 94 | 106 | 119 | 143 | 179 | 216 | 40 | |
| | | | 37.7 °C | LTR | 311 | 356 | 402 | 451 | 542 | 678 | 819 | | |
| GP100-200 | 100 | 199,900 | 100 °F | GAL | 86 | 102 | 118 | 135 | 167 | 215 | 264 | 31 | |
| | | | 37.7 °C | LTR | 326 | 387 | 448 | 510 | 632 | 815 | 999 | | |
| GP100-250(A) | 100 | 250,000 | 100 °F | GAL | 90 | 110 | 131 | 151 | 191 | 252 | 312 | 25 | |
| | | | 37.7 °C | LTR | 341 | 418 | 494 | 571 | 724 | 953 | 1183 | | |

| DIMENSIONAL INFORMATION All dimensions in English and Metric units. | | | | | | | | | | | |
|---|--------|--------|--------|--------|--------|-----|------|-----|-------------------|-----------|-----------------------------|
| MODEL NUMBER | UNITS | A | B | C | D | E | F | G | WATER CONNECTIONS | | APPROXIMATE SHIPPING WEIGHT |
| | | | | | | | | | FRONT IN/OUT | REAR SIDE | |
| GP100-150 | inches | 81-3/4 | 68-1/4 | 30-1/4 | 24-3/4 | 3 | 59 | 3/4 | 2 | 2 | 860 lbs. |
| GP100-200 | mm | 2076 | 1734 | 768 | 629 | 76 | 1499 | 19 | 51 | 51 | 390 kgs. |
| GP100-250(A) | inches | 81-3/4 | 68-1/4 | 30-1/4 | 24-3/4 | 4 | 59 | 3/4 | 2 | 2 | 860 lbs. |
| | mm | 2076 | 1734 | 768 | 629 | 101 | 1499 | 19 | 51 | 51 | 390 kgs. |

(A) Suffix Indicates ASME Tank Construction Available.



Recommended Specifications:

Water heater(s) shall be model _____, manufactured by RHEEM-RUUD, having gas input of _____ Btu/hr. and a recovery rate of _____ GPH at a 100°F temperature rise. Water heater shall have a storage capacity of _____ gallons. Water heater shall have the CSA seal of certification and be factory equipped with an AGA/ASME rated temperature and pressure relief valve. Tank shall have a coating of high temperature porcelain enamel and furnished with a magnesium anode rod rigidly supported. Water heater shall meet or exceed the energy factor requirements of ASHRAE. Tank shall have a working pressure rating of 150 psi, and shall be completely factory assembled, including a pressure regulator properly adjusted for operation on natural gas with a stainless steel burner. Water Heater shall have a spark-to-pilot ignition system. Controls will be arranged for safety shutoff in event of pilot failure. Complete unit shall be insulated with fiberglass insulation. Water Heater shall be covered by a three year limited warranty against tank leaks.

• **Add for ASME construction** – water heaters shall be constructed in accordance with the requirements or the ASME Boiler and Pressure Vessel Code, Section IV Part HLW.

Limited Warranty:

This product features a three year limited warranty against tank leaks. Please refer to Commercial Warranty Information Certificate for complete warranty information.



COMMERCIAL WATER HEATERS

In keeping with its policy of continuous progress and product improvement, Rheem-Ruud reserves the right to make changes without notice.

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