



**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.

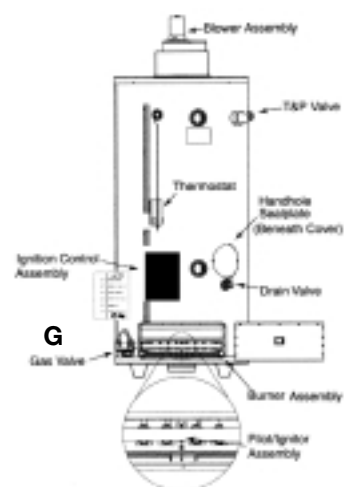
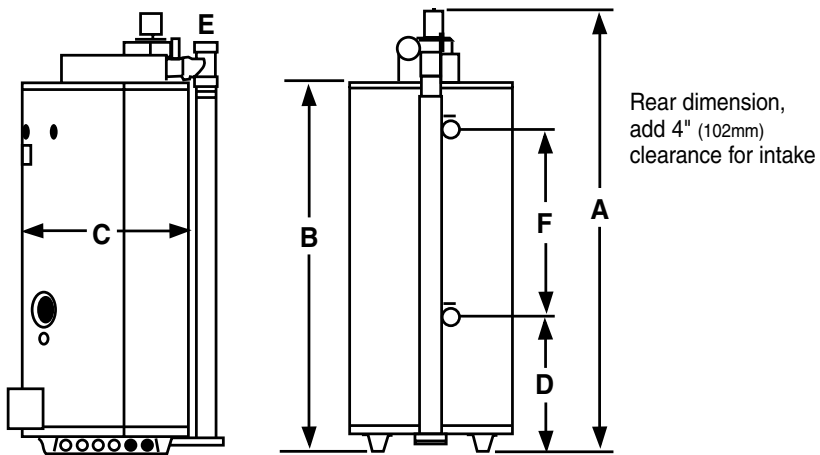
RECOVERY CAPACITIES Recovery in U.S. Gallons/Hr. (GPH) and Liters/Hr. (LPH) at various temperature rises.													
MODEL NUMBER	INPUT BTU/HR.	UNITS	40°F	50°F	60°F	70°F	80°F	90°F	100°F	110°F	120°F	130°F	140°F
			(22°C)	(28°C)	(33°C)	(39°C)	(45°C)	(50°C)	(56°C)	(61°C)	(67°C)	(72°C)	(78°C)
GP100-150	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 brochure 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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