



The new degree of comfort.™



Residential Gas
Power Vent Water Heaters

Power Vent induced draft gas water heaters offer up to 100 foot vent runs, energy efficiency and the Guardian System

Efficiency

- 0.67 EF meets ENERGY STAR® Phase II requirements, Sept. 2010

Performance

- FHR: Up to 85 gallons for 50-gallon models and up to 71 gallons for 40-gallon models
- Recovery rate is 32.4 to 36.4 at a 90 degree rise

Self-Diagnostic System

- Integrated system control for easy installation and service



Low Emissions

- Eco-friendly burner, low NOx design

Features

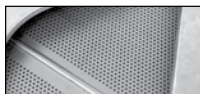
- Uses indoor air for combustion; blower exhausts the flue gases
- Standard 120 VAC electrical connection
- New whisper quiet blower

Guardian System™ & Sensor

- Exclusive air/fuel shut-off device
- Maintenance free – no filter to clean
- Disables the heater in the presence of flammable vapor accumulation



Combustion Shut-off System



Flame Arrestor Plate



Maintenance Free

Flexible Venting Options

- Long venting lengths up to 100 equivalent feet
- PVC or CPVC certified to ULC-S636 vent pipe options
- Vertical or horizontal termination

Longer Life

- Patented magnesium anode rod with resistor protects the tank from rust

High Altitude Compliant

- Certified for applications up to 6,000 feet above sea level

Plus...

- Brass drain valve and temperature and pressure relief valve are included
- Durable Silicon Nitride Ignitor (HSI)
- EverKleen™ device removes sediment
- Standard replacement parts

Warranty

- 8-Year limited tank and 6-year limited parts warranty*

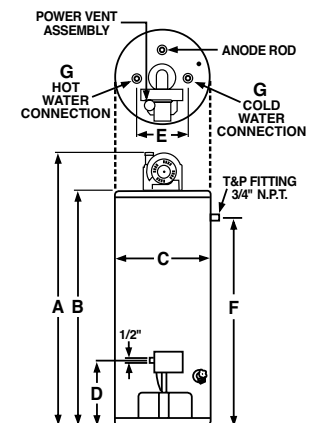
*See Residential Warranty Certificate for complete information



Power Vent
Induced Draft
40 and 50-Gallon Capacities
Up to 42,000 Btu/h
Natural and LP Gas



LEED Point = 1



TYPE	DESCRIPTION		FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.			
	GAL. CAP.	MODEL NUMBER	GAS INPUT IN THOUS. BTU/H		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H. NAT.	HT. TO TOP OF ASSEMBLY A	TANK HT. B	DIAM. C	HT. TO GAS CONN. D	WATER CONN. CNTR. E	HT. TO SIDE T&P VALVE F	WATER CONN. SIZE G	SHIP. WT. (LBS)	ENERGY FACTOR NAT.	AVG. ANN. OPER. COSTS NAT.
			NAT.	LP	NAT.	LP											
SHORT	40	PVS40-36E2	36	32	36.4	32.4	71	62-1/2	51-1/4	21-3/4	14	8	44-1/4	3/4	155	0.67	\$272
	50	PVS50-36E2	36	32	36.4	32.4	85	62-1/2	51-1/4	23-3/4	14	8	44	3/4	175	0.67	\$272

Specify LP gas when ordering. Add "P" to the model number. Example PVS40-36E2.

Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas \$1.218/therm; LP \$1.87/gallon.



INTEGRATED HOME COMFORT



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Maximum and Minimum Vent Lengths

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 6000'
One (1)	None	4.0	44.0	24.0
One (1)	One (1)	4.0	41.0	21.0
Two (2)	None	4.0	38.0	18.0
Two (2)	One (1)	4.0	35.0	15.0
Three (3)	None	4.0	32.0	12.0

For the 2" vent, one 90° elbow is approximately equal to 6 feet of pipe. One 45° elbow is approximately equal to 3 feet of pipe.

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.) 0' - 2000'	MAXIMUM PIPE LENGTH (FT.) 2000' - 6000'
One (1)	None	5.0	95.0	75.0
One (1)	One (1)	5.0	92.5	72.5
Two (2)	None	5.0	90.0	70.0
Two (2)	One (1)	5.0	87.5	67.5
Three (3)	None	5.0	85.0	65.0

For the 3" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.

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

