

RUUD INDUCED DRAFT GAS POWERVENT™

More Models, Longer Vent Runs, Greater Installation Flexibility!

PowerVent – now with the Guardian System™

Ruud PowerVent features

- **Ruud Guardian™ FVIR System** offers air/fuel shutoff protection, vapor detection sensor – maintenance free and no filters to clean!
- **More PV models** – 40 and 50 gallon tall and shorts with the Guardian System plus 75 gallon heavy-duty non-FVIR
- **Longer vent runs** (up to 100 feet), 2 or 3-inch PVC, ABS, or CPVC vent pipe options and vertical or horizontal termination – for greater installation flexibility
- **Environmentally friendly** low NOx burner
- **New quiet blower, self-cleaning system, self-diagnostic control...**

and more!



*Exceeds
new FVIR
standards!*

Residential water heaters
from Ruud



Rely on Ruud™

RUUD INDUCED DRAFT GAS POWERVENT™



6-Year Limited Tank and Parts Warranty

See Residential Warranty Information Brochure for complete warranty information.

Guardian System

- Air/fuel shut-off system offers double protection
- Maintenance free – no filter to clean



Flammable Vapor Detection Sensor

- Protective control system that disables the heater in the presence of flammable vapor accumulation



Flexible Venting Options

- Long venting lengths up to 100 feet
- PVC, ABS, or CPVC vent pipe options
- Vertical or horizontal termination

New Quiet Blower

- Less noise than ever before

Self-Diagnostic System

- Integrated self-diagnostic system control takes the guess work away



Environmentally Friendly Burner

- Low NOx design for low nitrous oxide emissions

High Altitude Compliant

- Tall models are certified for applications up to 7,700 feet above sea level
- Short models: certified up to 6,000 feet above sea level

Self-Cleaning

- EverKleen™ patented system fights sediment build-up
- Reduces fuel costs
- Provides more hot water

Longer Life

- Patented magnesium anode rod design incorporates a special resistor that protects the tank from corrosion.
- Provides longer tank life than using standard magnesium anode rods



CROSS REFERENCE AND SPECIFICATIONS

TYPE	DESCRIPTION			FEATURES					ROUGHING IN DIMENSIONS (SHOWN IN INCHES)							ENERGY INFO.		
	GAL. CAP.	PREVIOUS MODEL NUMBER	NEW FVIR MODEL NUMBER	GAS INPUT IN THOUS. BTU/HR.		RECOVERY IN G.P.H. 90° RISE		FIRST HOUR DEL. G.P.H.	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. GAS
TALL	40	PVRP40	PVP40F	40	40	40.4	40.4	68	69-1/4	59	19-3/4	14	8	53-1/2	3/4	140	0.64	\$213
	50	PVRP50	PVP50F	42	42	42.4	42.4	87	68-1/4	58	21-3/4	14	8	52-1/2	3/4	170	0.64	\$213
SHORT	40	NEW!	PVP40SF	36	34	36.4	34.3	71	61-1/2	50-1/2	20-1/4	14	8	44	3/4	152	0.64	\$213
	50	NEW!	PVP50SF	36	34	36.4	34.3	85	61-1/2	50-1/2	22-1/4	14	8	44	3/4	176	0.62	\$220

VENTING INFORMATION FOR 2" VENTS

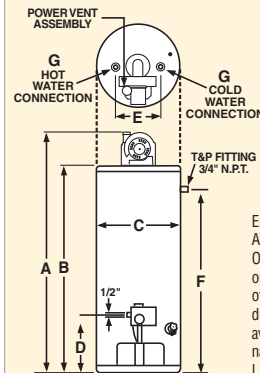
NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)
One (1)	None	4.0	44.0
One (1)	One (1)	4.0	41.0
Two (2)	None	4.0	38.0
Two (2)	One (1)	4.0	35.0
Three (3)	None	4.0	32.0

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.

VENTING INFORMATION FOR 3" VENTS

NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)
One (1)	None	5.0	95.0
One (1)	One (1)	5.0	92.5
Two (2)	None	5.0	90.0
Two (2)	One (1)	5.0	87.5
Three (3)	None	5.0	85.0
Three (3)	One (1)	5.0	82.5
Four (4)	None	5.0	80.0
Four (4)	One (1)	5.0	77.5
Five (5)	None	5.0	75.0

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.



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 \$16/therm; LP \$1.23/gallon.

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

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