

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, 50, 60 and 75 gallon tall models; short models in 40 and 50 gallon – all with the Guardian System
 - **Longer vent runs** (up to 100 feet), 2, 3 and 4 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™

INDUCED DRAFT GAS POWERVENT™ from Ruud



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 (40, 50 and 60 gallon models only)
- 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



Plus...

- Durable silicon nitride ignitor (HSI)
- Standard 110 volt electrical connection
- Exceeds National Appliance Energy Conservation Act (NAECA) and ASHRAE requirements

* See Residential Warranty Information Brochure for complete warranty information.

DESCRIPTION			FEATURES				ROUGHING IN DIMENSIONS (SHOWN IN INCHES)								ENERGY INFO.		
TYPE	GAL. CAP.	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
			NAT.	LP	NAT.	LP	NAT.										
TALL	40	PVP40FW	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	PVP50FW	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
	60	PVP60FW	55	50	55.6	50.5	104	69-1/4	58	22-1/4	14	8	51-1/4	3/4	205	0.62	\$235
	75	PVP75FW	75	69	75.8	69.7	130	72	60-1/8	26-1/4	14-3/4	11	53-1/4	1	330	0.53	\$257
SHORT	40	PVP40SFW	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	PVP50SFW	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

- Specify LP gas when ordering. Add "PF" suffix to the model number. Example PVP40PFW.
- 75 gallon model features side water connections for space heating applications.
- See venting on reverse side.

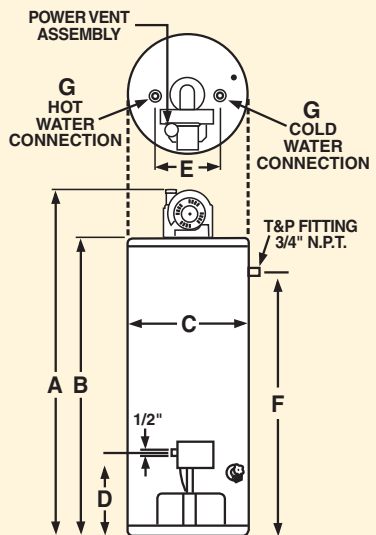
Energy Factor and Average Annual Operating Costs based on D.O.E. (Department of Energy) test procedures. D.O.E. national average fuel rate natural gas 91¢/therm; LP \$1.23/gallon.

40 and 50 Gallon Models Maximum and Minimum Vent Lengths

VENTING INFORMATION FOR 2" VENTS				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.)	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)	None	5.0	95.0
One (1)	One (1)	4.0	41.0	One (1)	One (1)	5.0	92.5
Two (2)	None	4.0	38.0	Two (2)	None	5.0	90.0
Two (2)	One (1)	4.0	35.0	Two (2)	One (1)	5.0	87.5
Three (3)	None	4.0	32.0	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 2" vent, one 90° elbow is approximately equal to 6 feet of pipe. One 45° elbow is approximately equal to 3 feet of pipe.

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.



60 and 75 Gallon Models Maximum and Minimum Vent Lengths

HIGH ALTITUDE (2,000 - 7,000 FT.): 3" VENTS				SEA LEVEL TO HIGH ALTITUDE (0 - 7,700 FT.): 4" VENTS			
NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)	NUMBER OF 90° ELBOWS WITH VENT TERMINAL	NUMBER OF 45° ELBOWS	MINIMUM PIPE LENGTH REQ. (FT.)	MAXIMUM PIPE LENGTH (FT.)
One (1)	None	-	34.0	One (1)	None	-	95.0
One (1)	One (1)	5.0	31.0	One (1)	One (1)	5.0	92.5
Two (2)	None	-	28.0	Two (2)	None	-	90.0
Two (2)	One (1)	-	25.0	Two (2)	One (1)	-	87.5
Three (3)	None	-	22.0	Three (3)	None	-	85.0
				Three (3)	One (1)	-	82.5

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

For the 4" vent, one 90° elbow is approximately equal to 5 feet of pipe. One 45° elbow is approximately equal to 2.5 feet of pipe.



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

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