



Available in 40, 50, 60 and 75 Gallon Tall – 40 and 50 Gallon Short Gas Models

- ▶ **6-Year Limited Tank and Parts Warranty***
- ▶ **With ProtectionPlus™ the 6-Year Limited Tank Warranty Becomes 10 Years!**

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.

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.



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. GAS	AVG. ANN. OPER. COSTS NAT. GAS
			NAT.	LP	NAT.	LP											
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	\$285
	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	\$285
	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	\$294
	75	PVP75FW	75	69	75.8	69.7	120	72	60-1/8	26-1/4	14-3/4	11	53-1/4	1	330	0.57	\$320
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	\$285
	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	\$294

- 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.

These units are designed to meet or exceed ANSI (American National Standards Institute) requirements and have been tested according to D.O.E. test procedures and meet or exceed the energy efficiency requirements of NAECA, ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria for energy consuming appliances.

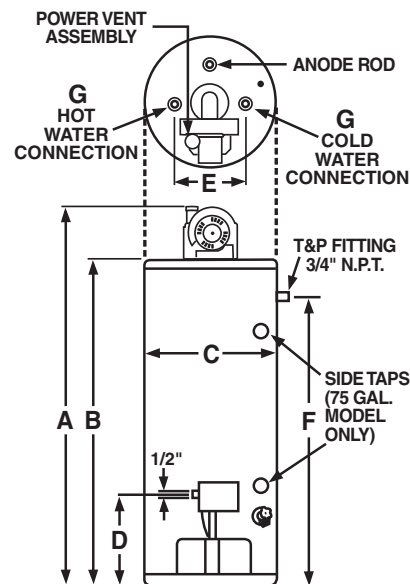
Before purchasing this appliance, read important energy cost and efficiency information available from your supplier.

PROTECTIONPLUS™

6 YEAR LIMITED TANK WARRANTY BECOMES 10

For more details, see form 101-7.

SEE REVERSE FOR MAXIMUM AND MINIMUM VENT LENGTHS



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

40 AND 50 GALLON MODELS MAXIMUM AND MINIMUM VENT LENGTHS

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.

60 AND 75 GALLON MODELS MAXIMUM AND MINIMUM VENT LENGTHS

Minimum vent length for 3" vent pipe is one (1) foot of vertical pipe, one (1) 90° elbow, and four (4) feet of horizontal pipe.

MAXIMUM VENTING INFORMATION FOR 3" VENT

NUMBER OF 90° ELBOWS WITH VENT	NUMBER OF 45° ELBOWS	MAXIMUM VENT PIPE LENGTH IN FEET 0' - 2000'	MAXIMUM VENT PIPE LENGTH IN FEET 2001' - 7700'
One (1)	None	45	35
One (1)	One (1)	42.5	32.5
Two (2)	None	40	30
Two (2)	One (1)	37.5	27.5
Three (3)	None	35	25

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.

NOTICE: The mixing of 3" and 4" vent pipe is not recommended. If 4" pipe is used, a 2" to 4" reducer fitting is recommended at the rubber coupling.

This water heater is supplied with a 3" Schedule 40 PVC 90° vent terminal. When venting with 4" pipe, a Schedule 40 PVC 90° vent terminal must be used. Screens for both 3" and 4" vent terminals have been included.

Minimum vent length for 4" vent pipe is one (1) foot of vertical pipe, one (1) 90° elbow, and four (4) feet of horizontal pipe.

MAXIMUM VENTING INFORMATION FOR 4" VENT

NUMBER OF 90° ELBOWS WITH VENT	NUMBER OF 45° ELBOWS	MAXIMUM VENT PIPE LENGTH IN FEET 0 - 7700'
One (1)	None	95
One (1)	One (1)	92.5
Two (2)	None	90
Two (2)	One (1)	87.5
Three (3)	None	85
Three (3)	One (1)	82.5
Four (4)	None	80
Four (4)	One (1)	77.5
Five (5)	None	75

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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