

- ▶ 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 feetPVC, 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 away the guesswork

# **Environmentally Friendly Burner**

 Low NOx design for low nitrous oxide emissions

## **High Altitude Compliant**

- Tall models certified for applications up to 7,700 feet above sea level
- Short models certified for applications 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 rust
- · Provides longer tank life than using standard magnesium anode rods

- Brass drain valve & temperature and pressure relief valve are included
- Standard 110 volt electrical connection
- Exceeds National Appliance Energy Conservation Act (NAECA) requirements

\*See Residential Warranty Certificate 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.







Products meet or exceed the requirements of ENERGY STAR® Phase II effective September 1, 2010

DESCRIPTION FEATURES				ES	ROUGHING IN DIMENSIONS (SHOWN IN INCHES)						ENERGY INFO.						
T Y P E	GAL. CAP.	MODEL NUMBER		NPUT IN . BTU/HR. LP		VERY IN 90° RISE LP	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.
TALL	40	PVP40E2	40	36	40.4	36.4	68	67-3/8	59	19-3/4	14	8	53-1/2	3/4	140	0.67	\$272
	50	PVP50E2	42	42	42.4	42.4	87	66-3/8	58	21-3/4	14	8	52-1/2	3/4	170	0.67	\$272
SHORT	40	PVP40SE2	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	PVP50SE2	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 PVP40PE2.
- · See venting on reverse side.

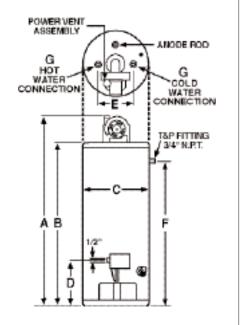
These units are designed to meet or exceed ANSI (American National Standards Institute) requirements and have been tested according to D.O.E. test procedures and meet or exceed the energy efficiency requirements of NAECA. ASHRAE standard 90, ICC Code and all state energy efficiency performance criteria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

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



SEE REVERSE FOR MAXIMUM AND **MINIMUM VENT** LENGTHS

Ruud Water Heating • 101 Bell Road, Montgomery, Alabama 36117-4305 • www.ruud.com



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

# TALL 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.) 0' - 2000'	MAXIMUM Pipe Length( Ft.) 2000' - 7700'		
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.

### **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.) 0' - 2000'	MAXIMUM PIPE Length( Ft.) 2000' - 7700'		
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.

# SHORT 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.) 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.

### **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.) 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.

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