

# Power Direct Vent Gas



## ▶ 6-Year Limited Warranty on Tank and Parts

### FVIR Compliant

- 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

### Self-Diagnostic System

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

### Environmentally Friendly Burner

- 40ng/J compliant NOx design for low nitrous oxide emissions

### High Altitude Compliant

- Models are certified for applications up to 10,200 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

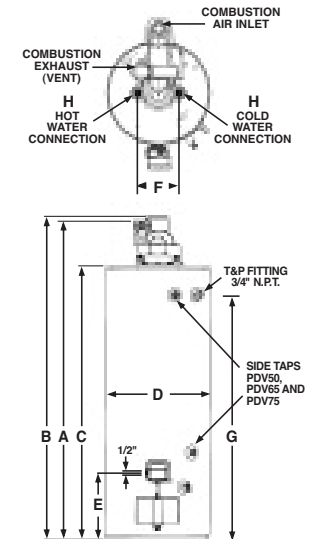
### Plus...

- Durable silicon nitride ignitor (HSI)
- Standard 110 volt electrical connection
- Uses outside air for combustion. Great for tight spaces
- Exceeds National Appliance Energy Conservation Act (NAECA) and ASHRAE requirements

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				DIMENSIONS					ENERGY INFORMATION		
Tank Gallon Capacity	Height Description	Model Number	Thous. Btu/h Nat.	Recovery in LP	Recovery in G.P.H. 90° Rise	First Hour Del. G.P.H.	Tank Diam.	Vent Height	Tank Height	Vent Size	Shipping Wt. (Pounds)	Energy Factor	Est. Ann. Operating Cost Nat.	Est. Ann. Operating Cost LP
★ 40	Tall	6G40PDV-40	40	–	40.4	73	19-3/4	68-1/2	60-1/4	2-3	180	0.67	\$272	–
★ 40	Tall	6G40PDVP-38	–	38	38.4	73	19-3/4	68-1/2	60-1/4	2-3	180	0.67	–	\$458
★ 50	Tall	6G50PDV-40	40	–	40.4	93	21-3/4	67-5/8	59-3/8	2-3	205	0.67	\$272	–
★ 50	Tall	6G50PDVP-40	–	40	40.4	93	21-3/4	67-5/8	59-3/8	2-3	205	0.67	–	\$458
50	Tall	6G50PDV-65†	65	–	65.7	111	21-3/4	67-5/8	59-3/8	3-4	210	0.62	\$294	–
50	Tall	6G50PDVP-50†	–	50	50.5	111	21-3/4	67-5/8	59-3/8	3-4	210	0.62	–	\$495
65	Tall	6G65PDV-65†	65	–	65.7	120	23	71-1/4	61-3/4	3-4	285	0.62	\$294	–
65	Tall	6G65PDVP-65†	–	56	47.5	113	23	71-1/4	61-3/4	3-4	285	0.62	–	\$495
75	Tall	6G75PDV-75†	75.1	–	75.8	139	26-1/4	70-3/8	60-1/2	3-4	325	0.62	\$294	–
75	Tall	6G75PDVP-75†	–	70	70.7	120	26-1/4	70-3/8	60-1/2	3-4	325	0.62	–	\$495

† These models feature side water connections for space heating applications.



SEE NEXT PAGE FOR AIR-INLET AND VENTING INFORMATION



Look for the ★ next to our new **ENERGY STAR®** compliant models for the ultimate in energy efficiency!

## AIR-INLET AND VENTING INFORMATION FOR 6G40PDV AND 6G50PDV

FROM SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G40PDV	2	7	30	90° Elbows	Concentric*
6G40PDV	3	7	60	90° Elbows	–
6G40PDV	3	7	50	–	Concentric*
6G50PDV	2	7	30	90° Elbows	Concentric*
6G50PDV	3	7	60	90° Elbows	–
6G50PDV	3	7	50	–	Concentric*
FROM 6,000 FT. ABOVE SEA LEVEL THROUGH 7,700 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G40PDV	2	7	15	90° Elbows	–
6G40PDV	2	7	30	–	Concentric*
6G40PDV	3	7	60	90° Elbows	–
6G40PDV	3	7	50	–	Concentric*
6G50PDV	2	7	15	–	Concentric*
6G50PDV	3	7	60	90° Elbows	–
6G50PDV	3	7	50	–	Concentric*

## AIR-INLET AND VENTING INFORMATION FOR 6G40PDV AND 6G50PDV

FROM 7,701 FT. ABOVE SEA LEVEL THROUGH 10,200 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G40PDV	2	7	15	–	Concentric*
6G40PDV	3	7	60	90° Elbows	–
6G40PDV	3	7	50	–	Concentric*
6G50PDV	3	7	60	90° Elbows	–
6G50PDV	3	7	50	–	Concentric*

• One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.

\* Use only Richmond 3 inch concentric termination.

Continued next page

## AIR-INLET AND VENTING INFORMATION FOR 6G50PDV-65, 6G65PDV AND 6G75PDV

FROM SEA LEVEL THROUGH 2,000 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G50PDV-65	3	7	50	90° Elbows	–
6G50PDV-65	3	7	40	–	Concentric*
6G50PDV-65	4	7	100	90° Elbows	–
6G65PDV	3	8	50	90° Elbows	–
6G65PDV	3	8	40	–	Concentric*
6G65PDV	4	8	100	90° Elbows	–
6G75PDV	3	8	50	90° Elbows	–
6G75PDV	3	8	40	–	Concentric*
6G75PDV	4	8	100	90° Elbows	–
FROM 2,001 FT. ABOVE SEA LEVEL THROUGH 5,999 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G50PDV-65	3	7	50	90° Elbows	–
6G50PDV-65	3	7	40	–	Concentric*
6G50PDV-65	4	7	100	90° Elbows	–
6G65PDV	3	8	30	90° Elbows	–
6G65PDV	3	8	20	–	Concentric*
6G65PDV	4	8	100	90° Elbows	–
6G75PDV	3	8	25	90° Elbows	–
6G75PDV	3	8	20	–	Concentric*
6G75PDV	4	8	100	90° Elbows	–

## AIR-INLET AND VENTING INFORMATION FOR 6G50PDV-65, 6G65PDV AND 6G75PDV

FROM 6,000 FT. ABOVE SEA LEVEL THROUGH 7,700 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G50PDV-65	3	7	50	90° Elbows	–
6G50PDV-65	3	7	40	–	Concentric*
6G50PDV-65	4	7	100	90° Elbows	–
6G65PDV	4	8	40	90° Elbows	–
6G75PDV	4	8	50	90° Elbows	–
FROM 7,701 FT. ABOVE SEA LEVEL THROUGH 10,200 FT. ABOVE SEA LEVEL					
Model	Vent & Combustion Air-Inlet System Diameter (Inches)	Minimum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Maximum Allowed Equivalent Vent & Combustion Air-Inlet Lengths – Each Pipe Run (Ft.)	Vent and Combustion Air-Inlet System Termination(s)	
6G50PDV-65	3	7	25	90° Elbows	–
6G50PDV-65	3	7	20	–	Concentric*
6G50PDV-65	4	7	100	90° Elbows	–

\* One 90° elbow is approximately equivalent to 5 feet of pipe. One 45° elbow is approximately equivalent to 2.5 feet of pipe.

\* Use only Richmond 3 inch concentric termination.