

# POWER VENT WATER HEATERS



**SOLID. STATE.**





# DESIGNED FOR INSTALLATION EASE. BUILT FOR DURABILITY.

State developed the Power Vent to go in easy and work hard. We designed it with a 3-position rotatable blower for more installation flexibility—to fit any physical application. Then we built it to vent using polypropylene, ABS, CPVC and PVC with vent lengths up to 180 feet. And we located all serviceable components within 90 degrees of the front of the unit for easy access. Plus, we included the durable components and features you'd expect to find in every State water heater. Built tough, but easy to install.

The State Power Vent water heaters feature engineering to maximize efficiency and deliver up to a .70 Energy Factor (EF) that meets the latest ENERGY STAR® qualifications.

#### Easy-install features:

- A versatile Power Vent design with an *exclusive* 3-position rotatable blower to adapt to limited space installations.
- Combined horizontal and vertical vent runs up to 125 equivalent feet with 3" diameter venting (180 equivalent feet with 4" venting on high-input 50- and 75-gallon models).
- Factory-installed, CSA-certified and ASME-rated T&P relief valve and a durable, tamper-resistant brass drain valve are positioned to simplify service and installation.

#### Other outstanding features:

- All models meet ENERGY STAR® requirements and may also qualify for local utility and rebate programs.
- PEXAN™ polymer dip tube optimizes inlet water pressure to minimize cold water regions within the tank. The self-cleaning action also reduces sediment accumulation on the bottom of the tank.
- Hot-surface ignitor is more robust and reliable than standing pilot, and reduces energy consumption.
- Factory-installed built-in heat traps on the water inlet and outlet reduce the amount of heat lost through piping.
- Environmentally-friendly 2-inch-thick foam insulation reduces the amount of heat loss and maximizes efficiency.
- Models available with 3/4" side connections for combination (space heating) applications (side connections standard on high-input 50 and 75-gallon models).
- All models are equipped with a protected flammable vapor (FV) sensor that detects the presence of flammable vapors and automatically disables the burner to prevent their ignition.
- Air intake snorkel elevates the combustion air inlet to prevent flammable vapors from entering the sealed combustion chamber and igniting.
- Eco-friendly Green Choice® gas burner reduces NOx emissions by up to 33%.
- State-of-the-art electronic gas control ensures more precise temperature control and features an LED indicator to provide operation status and diagnostic information.



**A**

Exclusive 3-position rotatable blower for height-restricted installations

**B**

Front-mounted blower junction box for easy access

**C**

Accessible anode allows for servicing without removal of blower

**D**

2-inch-thick foam insulation maximizes energy efficiency

**E**

Exclusive electronic gas control delivers precise temperature control

**F**

PEXAN™ polymer dip tube reduces sediment build-up and improves energy efficiency

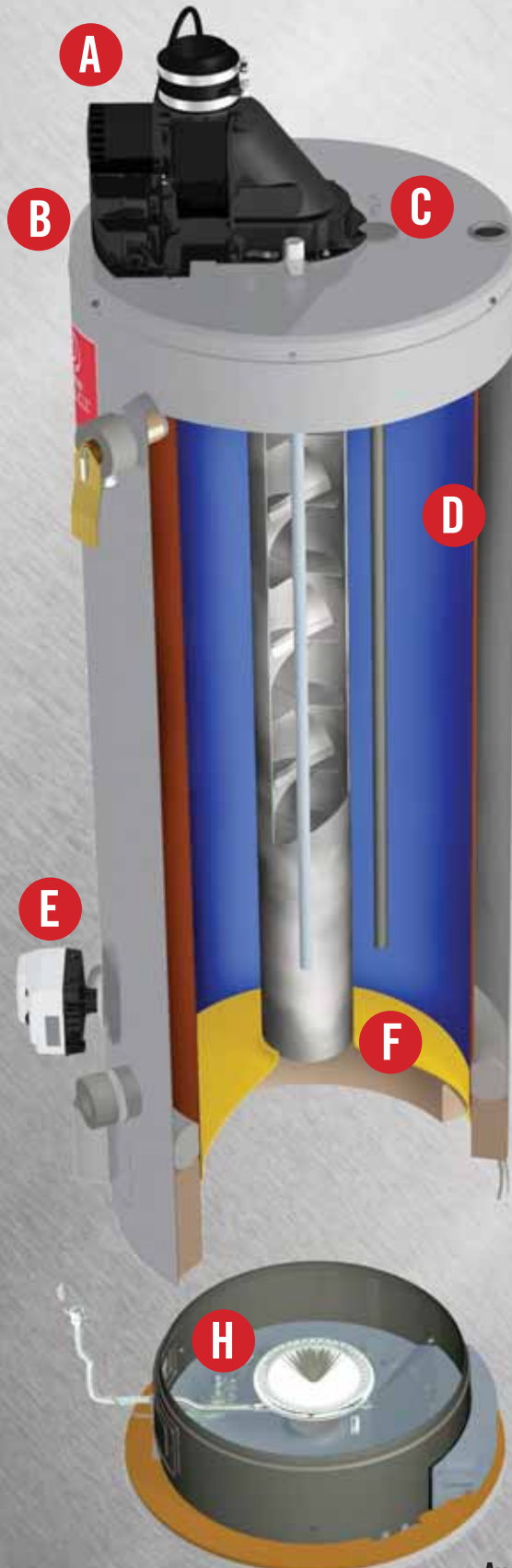
**G**

Air intake snorkel prevents flammable vapors from entering the combustion chamber

**H**

Combustion chamber does not require flame arrestor

**G**



Available in natural gas and propane.  
6-year limited tank and parts warranty.

# POWER VENT

## Dimensions

Model Number	Series	Height To Top Of Blower	Height To Top Of Tank	Diameter	Overall Depth	Height To Drain	Height To Gas Inlet	Height To T&P	Height To Upper Side Connect	Height To Lower Side Connect	Shipping Weight
		A	B	C	D	E	F	G	G	H	lbs.
GS6 40 YBVIS	200	59	49 5/8	22	29 1/8	11	14 1/4	42 1/2	N/A	N/A	174
GS6 40 YRVIT	200	68 1/2	59 1/4	20	27 1/8	11	14 1/4	53 1/8	53 1/8	15 1/4	176
GS6 50 YBVIS	200	60 1/8	50 3/4	24	31 1/8	11	14 1/4	43 3/4	N/A	N/A	198
GS6 50 YRVIT	200	68 1/8	58 3/4	22	29 1/8	11	14 1/4	51 3/4	51 3/4	15 1/4	192
GS6 50 YRVHSL	200	61 1/8	52	24	31 1/8	11	14 1/4	44 1/2	44 1/2	15 1/4	212
GS6 75 YRVHTL	200	70 5/8	61 1/4	26	33 1/8	11	14 1/4	53	53	15 1/4	277

All dimensions in inches.

Natural gas models cited are Series 200. Propane models are Series 201. For propane models, change "Y" to "H" in the model number.

All models rated for installation at altitudes up to 10,100 ft.

## Specifications

Model Number	Gallon Capacity	Input BTU/h	Energy Factor	First Hour Rating USG	Recovery 90°F/50°C RISE GPH
GS6 40 YBVIS	40	40,000	0.70	73	44.7
GS6 40 YRVIT	40	50,000	0.70	90	55.9
GS6 50 YBVIS	50	40,000	0.70	90	44.7
GS6 50 YRVIT	50	50,000	0.70	96	55.9
GS6 50 YRVHSL	50	62,000	0.70	110	69.3
GS6 75 YRVHTL	75	72,000	0.68	155	80.4

## Vent Lengths

Model Number	Maximum Vent Length (eq. ft.)		
	ø2"	ø3"	ø4"
GS6 40 YBVIS	50'	125'	180'
GS6 40 YRVIT	50'	125'	180'
GS6 50 YBVIS	50'	125'	180'
GS6 50 YRVIT	50'	125'	180'
GS6 50 YRVHSL	N/A	50'	125'
GS6 75 YRVHTL	N/A	50'	125'

For Technical Information and Automated Fax Service, call 800-365-0024. State Water Heaters reserves the right to make product changes or improvements without prior notice.



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