

# POWER VENT

Residential Gas Water Heaters | Canada

*American Standard*<sup>®</sup>

WATER HEATERS

[www.americanstandardwaterheaters.com](http://www.americanstandardwaterheaters.com)

## Features

- **INTELLIGENT GAS CONTROL** with a hot surface pilot ignition system. This results in savings of pilot gas during standby periods (120 V.A.C.). A microprocessor constantly monitors and controls burner operation to maintain consistent and accurate water temperature levels.
- **LED CONTROL LIGHT** displays operation status and diagnostics information to assist the installer in troubleshooting.
- **BUILT-IN GAS PRESSURE REGULATION** also incorporates energy cut-off switch to prevent abnormally high water temperature for added safety.
- **FLAMMABLE VAPOR SENSOR** – The electronic sensor connected to an electric switch prevents burner operation if flammable vapors are detected. The sensor and electric switch will also prevent operation if there is ongoing flammable vapor burn inside the combustion chamber.
- **VAPORSHIELD TECHNOLOGY** – Unique design that prevents flames from traveling backwards through the flame arrestor plate and outside of the water heater, if flammable vapors are present, providing extra protection.
- **SIGHT GLASS WINDOW** offers a view into the combustion chamber.
- **FACTORY INSTALLED ENERGY CUT-OFF SYSTEM** – Automatic thermostat with built-in gas pressure regulation also incorporates energy cut-off switch to prevent abnormally high water temperature for added safety.
- **TURBULENCE – INDUCING DIP TUBE** engineered to reduce sediment build-up inside the tank.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **FACTORY INSTALLED HEAT TRAPS** reduce standby heat loss caused by heat mitigation to water pipes.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & can be relocated from side to optional top of the heater.

## Performance

- **UP TO 0.72 UEF**
- **UP TO 81 GALLONS FIRST HOUR RATING (FHR)**
- **HFO FOAM INSULATED** – 2 inch-thick, environmentally-friendly insulation foam saves energy, reduces fuel cost by maximizing heat retention, and contributes to overall energy efficiency.
- **CSA DESIGN CERTIFIED** – All models design tested and certified in accordance with CSA / ANSI Z21.10.1 \* CSA 4.1.
- **UL ENERGY VERIFIED** – Energy Efficiency tested in accordance with CSA P3-15 test procedures, meets or exceeds the requirements of Natural Resources of Canada.

## Quality

- **HEAVY GAUGE STEEL TANK** for extra years of trouble-free service.
- **GLASS-LINED TANK** with DuraGlas™ and fired at 1600°F for optimum protection from the effects of corrosion.
- **ALUMINUM ANODE ROD** to prolong tank life.
- **6-YEAR LIMITED WARRANTY** – 6-year limited warranty on tank and component parts.

40 & 50 Gallon Capacities  
150 & 190 Liter Capacities  
Short & Tall Configurations  
40k BTU Input  
Natural Gas



### SPECIFICATIONS AND APPLICATION DATA

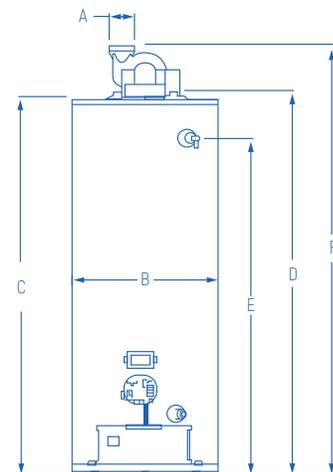
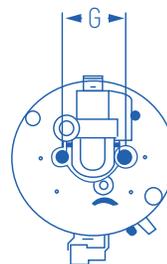
www.americanstandardwaterheaters.com

#### DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL./LITER)	DOE RATED CAPACITY (GAL./LITER)	FIRST HOUR RATING (GAL./LITER)	BTU INPUT NAT GAS	GPH/LPH RECOVERY @ 90° RISE	UNIFORM ENERGY FACTOR	VENT DIAM A	JACKET DIAM B	FLOOR TO				WATER CONNECTIONS DISTANCE G	APROX SHIP WGT (LBS/KG)
									TOP OF HEATER C	TOP OF WATER D	SIDE T&P E	TOP OF VENT F		
<b>TALL</b>														
PV40TLN6-CN	40/150	38/144	78/295	40,000	43/163	0.72	3	20 ¼	59 ½	60 ¾	53 ¼	68 ¼	8	140/64
PV50TLN6-CN	50/190	48/182	81/307	40,000	43/163	0.71	3	22 ½	58 ¼	59 ¼	51 ½	66 ½	8	156/71
<b>SHORT</b>														
PV40SLN6-CN	40/150	38/144	71/269	40,000	43/163	0.66	3	22 ½	49 ½	51	43	58	8	172/78
PV50SLN6-CN	50/190	48/182	80/303	40,000	43/163	0.69	3	24 ½	50	51	43 ¼	58 ½	8	223/101

Recovery capacity based on actual performance tests

#### STANDARD ROUND BURNER



MODEL NUMBER	MINIMUM VENT LENGTH EQUIVALENT FT.		
	2'	3'	4'
PV40TLN6-CN	7 ft + termination elbow	15 ft + termination elbow	
PV50TLN6-CN	7 ft + termination elbow	15 ft + termination elbow	
PV50SLN6-CN	7 ft + termination elbow	15 ft + termination elbow	15 ft + termination elbow

MODEL NUMBER	MAXIMUM VENT LENGTH EQUIVALENT FT.		
	2'	3'	4'
PV40TLN6-CN	50 ft + termination elbow	120 ft + termination elbow	
PV50TLN6-CN	50 ft + termination elbow	120 ft + termination elbow	
PV50SLN6-CN	50 ft + termination elbow	120 ft + termination elbow	125 ft + termination elbow

The maximum vent length shall be reduced by 5 feet of pipe for each additional 90° elbow. For each additional 45° elbow the maximum vent length shall be reduced approximately 3 feet of pipe.

- All models are certified at 300 PSI test pressure and 150 PSI working pressure.
- Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.

#### SAMPLE SPECIFICATION

Water heater shall be AMERICAN STANDARD WATER HEATERS model \_\_\_\_\_ having a storage capacity of \_\_\_\_\_ gallons, operate on Natural with a BTU input of \_\_\_\_\_ and a recovery rate of \_\_\_\_\_ gallons per hour at 90°F temperature rise. Water heater tank interior shall be glass lined with Dura-Glas™, furnished with anode rod and insulation shall be non-CFC foam. Water heater shall be CSA certified.

