

POWER VENT

Residential Gas Water Heaters

American Standard[®]

WATER HEATERS

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 110 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.
- **AHRI ENERGY CERTIFIED** – Energy Efficiency tested in accordance with D.O.E. test procedures, meets or exceeds the requirements of ANSI, ASHRAE, and National Appliance Energy Conservation Act.

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.
- **CHOICE OF 6- OR 12-YEARS LIMITED TANK WARRANTY** – Standard 6-year warranty for tank and component parts. Upgraded 12-year limited tank warranty includes 12 years on the tank and 6 years on component parts. 12-year upgrade models will include a second anode rod for increased protection.

40 & 50 Gallon Capacities
Short & Tall Configurations
40k, 50k, & 63k BTU Input
Natural & LP Gas



Globally Recognized. Industry Respected.



SPECIFICATIONS AND APPLICATION DATA

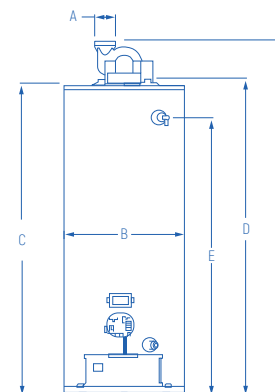
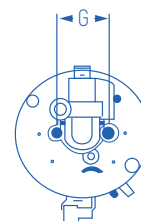
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DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL.)	DOE RATED CAPACITY (GAL.)	FIRST HOUR RATING (GAL.)	BTU INPUT NAT & LP 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		
TALL														
PV40TLN	40	38	78	40,000	43	0.70	3	20 ¼	59 ½	60 ¾	53 ¼	68 ¼	8	140
PV50TLN	50	48	81	40,000	43	0.70	3	22 ½	58 ¼	59 ¼	51 ½	66 ½	8	156
PV40TLN50	40	38	83	50,000	51	0.70	3	20 ¼	59 ½	61 ¼	53 ¼	66 ¼	8	185
PV50TLN65	48	47	107	63,000	69	0.71	3	22 ½	58 ¼	58 ¾	51 ¾	67	8	214
SHORT														
PV40SLN	40	39	71	40,000	40	0.64	3	22 ½	49 ½	51	43	58	8	172
PV50SLN	50	48	80	40,000	43	0.69	3	24 ½	50	51	43 ¼	58 ½	8	223
PV50SLN65	48	47	110	63,000	69	0.69	3	24 ½	50	50 ½	43 ¼	58 ¾	8	253

Recovery capacity based on actual performance tests

STANDARD ROUND BURNER



MODEL NUMBER	MINIMUM VENT LENGTH EQUIVALENT FT.		
	2"	3"	4"
PV40TLN	7 ft + termination elbow	15 ft + termination elbow	15 ft + termination elbow
PV50TLN			
PV50TLN			
PV40SLN			
PV40TLN			

MODEL NUMBER	MAXIMUM VENT LENGTH EQUIVALENT FT.		
	2"	3"	4"
PV40TLN	50 ft + termination elbow	120 ft + termination elbow	
PV50TLN			
PV50TLN			
PV40SLN	50 ft + termination elbow	125 ft + termination elbow	125 ft + termination elbow
PV40TLN			

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.

- For 12-year models, change the model number suffix from "6" to "12". Example: PV40SLN12.
- All models comply with NAECA requirements
- 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 or L.P. Gas 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.

