

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 IGNITION RESISTANCE (FVIR)** – Industry standard controls to prevent burner operation if flammable vapors are detected.
- **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** factory provided & installed, 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 0.71 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 SAFETY 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.
- **HIGH-ALTITUDE CERTIFIED** – up to 10,100 ft.

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
Up to 63k BTU Input
Natural & LP Gas



Globally Recognized. Industry Respected.



SPECIFICATIONS AND APPLICATION DATA

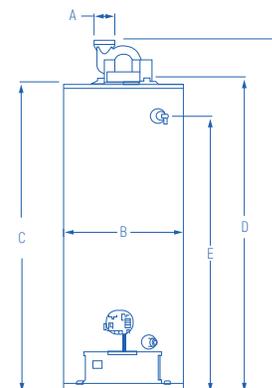
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DIMENSIONS IN INCHES

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 (UEF)	VENT DIAM (IN) A	JACKET DIAM (IN) B	FLOOR TO				WATER CONNECTIONS DISTANCE (IN) G	APPROX SHIP WEIGHT (LBS/KG)
									TOP OF HEATER (IN) C	TOP OF WATER CONNECTIONS (IN) D	SIDE T&P (IN) E	TOP OF VENT (IN) F		
TALL														
PV40TLN V2	40	38	78	40,000	43	0.70	3	20 ¼	59 ½	60 ¾	53 ¼	68 ¼	8	140
PV50TLN V2	50	48	81	40,000	43	0.70	3	22 ½	58 ¼	59 ¼	51 ½	66 ½	8	156
PV40TLN50 V2	40	38	83	50,000	51	0.70	3	20 ¼	59 ½	61 ¼	53 ¼	66 ¼	8	185
PV50TLN65 V2	48	47	107	63,000	69	0.71	3	22 ½	58 ¼	58 ¾	51 ¾	67	8	214
SHORT														
PV40SLN V2	40	39	71	40,000	40	0.64	3	22 ½	49 ½	51	43	58	8	172
PV50SLN V2	50	48	80	40,000	43	0.69	3	24 ½	50	51	43 ¼	58 ½	8	223
PV50SLN65 V2	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 V2			
PV50TLN V2			
PV40SLN V2	7 ft + termination elbow	15 ft + termination elbow	
PV50SLN V2			
PV40TLN50 V2			
PV50TLN65 V2		10 ft + termination elbow	15 ft + termination elbow
PV50SLN65 V2			

MODEL NUMBER	MAXIMUM VENT LENGTH EQUIVALENT FT.		
	2"	3"	4"
PV40TLN V2			
PV50TLN V2			
PV40SLN V2	50 ft + termination elbow	125 ft + termination elbow	
PV50SLN V2			
PV40TLN50 V2			
PV50TLN65 V2		50 ft + termination elbow	200 ft + termination elbow
PV50SLN65 V2			

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.

