

HEAVY DUTY ULTRA-LOW NO_x ATMOSPHERIC

Residential Gas Water Heaters

American Standard[®]

WATER HEATERS

www.americanstandardwaterheaters.com

Features

- **TRADITIONAL MECHANICAL GAS VALVE** – Simple and maintenance-free operation.
- **SPARK IGNITER** – Easy push button pilot lighting in lieu of matches.
- **ADJUSTABLE TO 160°F** when installed with a mixing valve.
- **COMBUSTION CHAMBER DOOR** allows easy servicing of the burner and pilot components.
- **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 SIZE HAND-HOLE CLEANOUT** for convenient tank inspection and removal of sediment deposits.
- **FULL FLOW BRASS DRAIN VALVE** allows easy and quick drainage.
- **TEMPERATURE AND PRESSURE RELIEF VALVE** factory provided & can be relocated from side to optional top of the heater.
- **HEAVY DUTY LEGS** ensure sturdy and stable installation.

Performance

- **UP TO 0.60 UEF**
- **UP TO 125 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.
- **ETL LISTED WITH INTERTEK** in accordance with ANSI Z21.10.3 as an automatic storage and/or automatic circulating tank heater. ASHRAE Standard 90.1 1999 addendum 90.1b. ETL Listed to meet NSF/ANSI 5 Standards.
- **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.
- **MAGNESIUM ANODE ROD** to prolong tank life.
- **6-YEAR LIMITED WARRANTY** – 6-year limited warranty on tank and component parts.

75 & 100 Gallon Capacities

76k & 80k BTU Input

Natural Gas



Intertek

SPECIFICATIONS AND APPLICATION DATA

DIMENSIONS IN INCHES

MODEL NUMBER	NOMINAL CAPACITY (GAL)	DOE RATED CAPACITY (GAL)	FIRST HOUR RATING (GAL)	BTU INPUT NAT GAS	GPH RECOVERY AT 100° RISE	UNIFORM ENERGY FACTOR	VENT DIAM	JACKET DIAM A	FLOOR TO				GAS VALVE CONNECTION F	WATER CONNECTIONS DISTANCE G	APPROX. SHIP WEIGHT (LBS)
									TOP OF VENT B	TOP OF HEATER C	TOP OF WATER D	SIDE T&P E			
PLR 75-76 AS-6	75	70	93	76,000	74	0.60	4	26 3/4	68 1/2	61 3/4	65 1/4	54	16	16	400
PLR 100-76 AS-6	100	93	125	76,000	74	0.58	4	28 1/2	73 1/4	66 1/2	70 1/4	58 1/2	16 1/4	16	516

RECOVERY IN GALLONS PER HOUR AT VARIOUS TEMPERATURE RISES

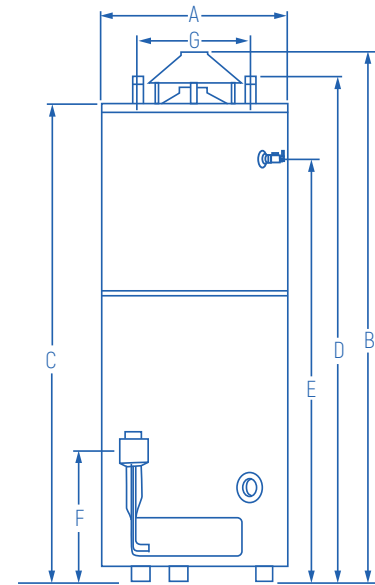
MODEL NUMBER	GAS TYPE	BTU INPUT	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°
PLR 75-76 AS-6	NAT	76,000	185	148	123	105	92	82	74	67	62	57	53
PLR 100-76 AS-6	NAT	76,000	185	148	123	105	92	82	74	67	62	57	53

MAX HOT WATER DELIVERABILITY AT VARIOUS TIME PERIODS

MODEL NUMBER	STORAGE CAPACITY	ONE HOUR RECOVERY 100° RISE	1ST HOUR	2ND HOUR	3RD HOUR	GPM REC 100° RISE
PLR 75-76 AS-6	75	74	127	201	275	1.2
PLR 100-76 AS-6	100	74	144	218	292	1.2

CONNECTION SIZES

MODEL NUMBER	STORAGE CAPACITY	IN/OUT PORTS	T&P	GAS CONNECTION
PLR 75-76 AS-6	75	1	3/4	1/2
PLR 100-76 AS-6	100	1 1/4	3/4	1/2



- 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 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.