



Burnham® PVG™

Gas Fired, Induced Draft, Cast Iron Water Boiler

- 85% AFUE
- Electronic ignition
- Equipped with Intelligent Hydronic Control
- 70 – 280 MBH (7 sizes)
- Ideal for installations where chimney venting is not possible, industry-standard tapping locations permit ease of replacement for thousands of existing installations
- Solid, reliable, American-made cast iron
- Lifetime limited warranty
- Available in select markets

Intelligent Hydronic Control Features

- Combines aquastat, relay, and ignition functions into a single module
- Two customizable integrated switching relays for easy addition of additional heating zone or indirect water heater
- Energy saving “thermal purge”, which works by circulating residual warm water (140° or above) in the heating system before firing the boiler
- LED display for boiler status and trouble codes
- Lower replacement cost
- Wiring harness connectors designed to prevent mis-wiring
- Extensively tested and proven in thousands of existing installations

Intelligent Hydronic Control



Burnham®
by
U.S. Boiler Company



PVG: Technical Information



Standard Equipment

- Insulated steel jacket
- Heavy gauge 1" base insulation
- Intelligent Hydronic Control – Simple self-diagnostic control system with 3-digit readout for status settings and errors
- Step-opening redundant gas valve
- Stainless steel burner tubes
- Stainless steel flue gas baffles
- Spark ignition with continuous retry
- User-friendly wiring with 120V J-box
- Taco 007 circulator with piping with wiring harness
- Cast iron section assembly
- Differential vent pressure switch
- Boiler drain valve
- Cast iron supply manifold with safety relief valve tapping
- Vent connector terminal
- Air inlet terminal
- Vent terminal for horizontal/vertical (sidewall) venting

PVG Ratings & Specifications

Model	AFUE%	Input (MBH)	DOE Heating Capacity (MBH)	Net AHRI (MBH)	Vent Size (Inches)	Approx. Shipping Weight. (lbs.)
PVG3	85.5	70	60	52	3	245
PVG4	85.4	105	90	78	3	296
PVG5	85.3	140	120	104	3	348
PVG6	85.2	175	150	130	3	386
PVG7	85.0	210	179	156	3	397
PVG8	84.5	245	208	181	4	430
PVG9	84.0	280	238	207	4	575

* Add suffix "N" for natural gas, or suffix "L" for LP gas models

PVG Dimensions & Connections

Model	Dimensions (inches)			Connections (inches)				Water Content (gal.)
	"A"	"B"	"C"	Supply	Return	Gas Valve	Relief Valve	
PVG3	11.65	26.60	38.09	1-1/4	1-1/4	1/2	3/4	2
PVG4	14.72	26.60	38.09	1-1/4	1-1/4	1/2	3/4	3
PVG5	17.78	26.60	38.09	1-1/4	1-1/4	1/2	3/4	4
PVG6	20.84	26.60	38.09	1-1/4	1-1/4	1/2	3/4	5
PVG7	23.90	26.60	38.09	1-1/4	1-1/4	3/4	3/4	6
PVG8	26.97	26.60	38.09	1-1/4	1-1/4	3/4	3/4	7
PVG9	30.03	26.60	38.09	1-1/4	1-1/4	3/4	3/4	8

