

Commercial Power Direct Vent Energy Saver Gas Water Heater



Photo is of
PDV-100T-360-3N

The Power Direct Vent Models feature:

- **Honeywell Integrated Ignition Control**—Sophisticated proven design combines temperature control and system ignition functions into a single control board with LCD display. Control panel cover tilts down for ease of wiring and service.
- **LCD Display**—Temperature adjustment can be easily selected by pressing a user friendly touchpad (up to 180°F). A Service Mode displays actual temperature, diagnostic codes, and flame sense current.
- **Electronic Ignition**—High voltage, low current electricity is sent to the pilot electrode initiating sparks to ignite the pilot gas. This results in savings of pilot gas during stand-by periods because the pilot flame only operates when there's a call for heat.
- **Automatic Blower Motor**—Induced draft for direct venting.
- **Factory Installed Hydrojet® Sediment Reduction System**—Cold water inlet sediment reducing device helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up in tank.
- **Co-axial Vent**—A pipe inside a pipe. This allows combustible air to enter from the outside through an outer pipe and exhausts the products of combustion through an inner pipe. The vent kit** (see back) allows for horizontal or vertical termination and extensions up to 21 feet. Ideal for installations with a negative air pressure situation. (Vent kits are shipped in a separate carton.)
- **Vitraglas® Lining**—Bradford White water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. The Bradford White high silica Vitraglas® lining provides a tough interior surface for our hot water tanks.
- **E.C.O.**—A recycling Energy Cut Off shuts off all gas in event of an overheat condition.
- **1½" Non-CFC Foam Insulation**—Covers the sides and top of tank, reducing the amount of heat loss. This results in less energy consumption, improved operation efficiencies and jacket rigidity.
- **Multiple Water Connections**—1½" top and front, 2" rear NPT factory installed true dielectric fittings extend water heater life and eases installation.
- **Protective Magnesium Anode Rods**—Provide added protection against corrosion for long trouble-free service.
- **Hand Hole Cleanout**—Allows inspection of tank interior and removal of sediment deposits.
- **NSF Construction Available.**
- **Low NOx Construction Available..**
- **ASME Code Available.**
- **T&P Relief Valve**—Installed.
- **Brass Drain Valve.**
- **Design Certified by CSA International (Formerly AGA and CGA).**



3-Year Limited Tank Warranties / 1-Year Limited Warranty on Component Parts.

For more information on warranty, please visit www.bradfordwhite.com

For products installed in USA, Canada and Puerto Rico. Some states do not allow limitations on warranties. See complete copy of the warranty included with the heater.

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. PATENTS: 5,954,492; 5,761,379; 5,943,984; 5,081,696; 5,988,117; 6,142,216; 5,199,385; 5,574,822; 5,372,185; 5,485,879; 5,277,171; (B1)5,341,770; 5,660,165; 5,596,952; 5,682,666; 4,904,428; 5,023,031; 5,000,893; 4,669,448; 4,829,983; 4,808,356; 5,115,767; 5,092,519; 5,052,346; 4,416,222; 4,628,184; 4,861,968; 4,672,919; Re. 34,534; 7,270,087 B2. OTHER U.S. AND FOREIGN PATENT APPLICATIONS PENDING. CURRENT CANADIAN PATENTS: 1,272,914; 1,280,043; 1,289,832; 2,045,862; 2,112,515; 2,108,186; 2,107,012; 2,092,105; 2,409,271. Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

Power Direct Vent Series Water Heater

Power Direct Vent Energy Saver Models

NATURAL GAS AND LIQUID PROPANE GAS

Meet or exceed ASHRAE 90.1b (current standard) C.E.C. Listed
80% Recovery Efficiency

Model Number	Capacity		Nat. & LP BTU/Hr. Input	First Hr. Del. Rating @100°F Rise Gal.	Recovery at Degree °F Rise			A Floor to Vent Conn. in.	B Jacket Dia. in.	C Floor to Gas Conn. in.	D Floor to Hot Water Conn. in.	E Floor to Cold Water Conn. in.	F Floor to Heater Top in.	G Floor to Top Water Conn. in.	Approx. Shipping Weight lbs.	
	U.S. Gal.	Imp. Gal.			40°F	100°F	140°F								Std.	ASME
PDV-80T-300-3N(A)	80	66	300,000	347	728	291	208	69 ⁵ / ₈	28 ¹ / ₄	13 ⁵ / ₈	51 ³ / ₈	20 ⁷ / ₈	63 ³ / ₄	65 ³ / ₄	665	740
PDV-100T-360-3N(A)	100	83	360,000	419	873	349	249	78 ⁵ / ₈	28 ¹ / ₄	13 ⁵ / ₈	60 ³ / ₈	20 ⁷ / ₈	72 ³ / ₄	74 ³ / ₄	735	815

Model Number	Capacity		Nat. & LP kW Input	First Hr. Del. Rating @100°F Rise Liters	Recovery at LPH °C Rise			A Floor to Vent Conn. mm.	B Jacket Dia. mm.	C Floor to Gas Conn. mm.	D Floor to Hot Water Conn. mm.	E Floor to Cold Water Conn. mm.	F Floor to Heater Top mm.	G Floor to Top Water Conn. mm.	Approx. Shipping Weight kg.	
	Liters				22°C	56°C	78°C								Std.	ASME
PDV-80T-300-3N(A)	303		87.9	1313	2755	1101	787	1765	718	356	1308	527	1622	1670	302	336
PDV-100T-360-3N(A)	379		105.5	1586	3304	1321	942	1892	718	356	1537	527	1851	1899	333	370

*Based on manufacturers rated recovery efficiency.

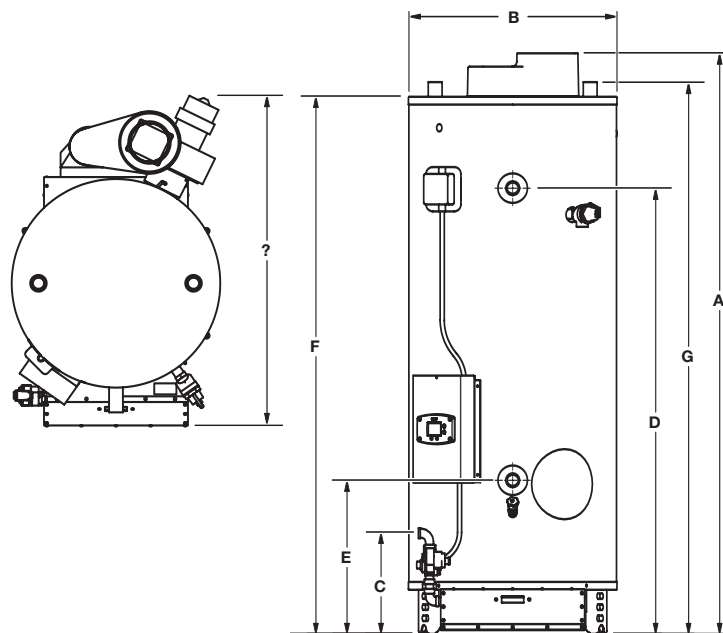
For Propane (LP) models change suffix "N" to "X".

(A) = ASME Code Available

For LowNOx compliance to meet SCAQMD requirements, place an "E" following the BTU Input identifier of the model number. Example: PDV-80T-300E-3N(A)

**Note: The standard vent kit (p/n 243-41769-01) shipped with the heater, but in a separate carton includes: horizontal vent terminal, an elbow, condensate tee, vent connector clamps, and two 39" (990mm) straight sections of co-axial vent pipe. Can be cut for installation. Optional vent kits are available and will allow for extensions up to 21 feet. For further details please reference the installation instructions.

For vertical venting please consult factory for optional vent components.



Sample Specification

The water heater shall be a Bradford White model with a rated storage capacity of not less than ____ gallons/ liters, a minimum gas input of ____ BTU/Hr. (kW), and a minimum recovery of ____ GPH (LPH) at 100°F (56°C) temperature rise. It shall be design certified by CSA International (formerly AGA and CGA) for 180°F (82°C) application, either with or without a separate storage tank. The tank shall be lined with Vitraglas® vitreous enamel and shall have a bolted hand hole cleanout. The tank shall have four extruded magnesium anode rods installed in separate head couplings and extended to within three inches (76mm) of the bottom. The heater shall be equipped with a stainless steel cold water inlet Hydrojet® sediment reduction system. The heater shall be insulated with not less than 1½" (29mm) of Non-CFC foam. This water heater shall be equipped with an electronic ignition system, an ASME rated T&P relief valve and an induced draft blower motor for direct venting. (115V AC required). The entire installation shall be made in compliance with state and local codes and ordinances.

General

All gas water heaters are certified at 300 PSI test pressure (2068 kPa) and 150 PSI working pressure (1034 kPa). All gas connections are 3/4" (19mm).

Dimensions and specifications subject to change without notice in accordance with our policy of continuous product improvement.



Ambler, PA

For U.S. and Canada field service, contact your professional installer or local Bradford White sales representative.

Sales 800-523-2931 • Fax 215-641-1670 / Technical Support 800-334-3393 • Fax 269-795-1089 • Warranty 800-531-2111 • Fax 269-795-1089

International: Telephone 215-641-9400 • Telefax 215-641-9750 / www.bradfordwhite.com

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