



Commercial Gas — Power Direct Vent

Features:



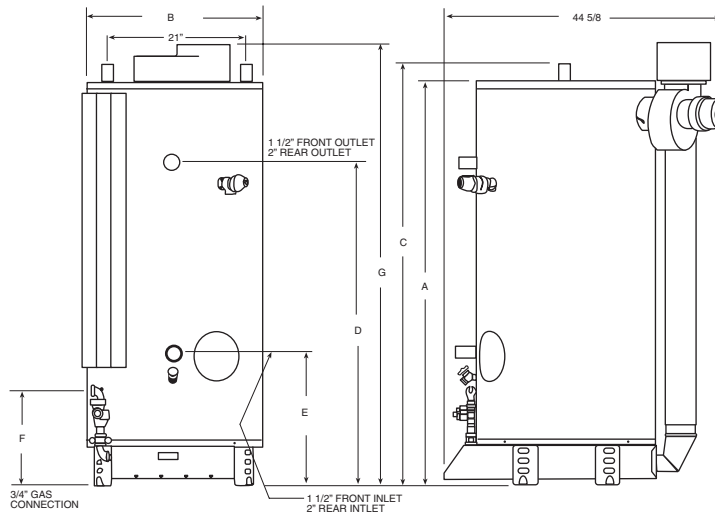
Bradford White is ISO registered to the 9001 – standard.

- **1½" Non-CFC foam insulation**—surrounds the tank surface, saving energy by retarding loss of heat.
- **Automatic blower motor**—induced draft for direct venting.
- **Electronic ignition**—Ignition system operates off of 24 volts. (115V AC required to heater)
- **Co-axial vent**—exhausts the products of combustion and supplies combustion and ventilation air. 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® lined tank**—Bradford White's water heater tanks are protected from the corrosive effects of hot water by an exclusive ceramic porcelain-like coating. Our high silica Vitraglas® lining provides a tough interior surface for Bradford White's water heater tanks.
- **Protective magnesium anode rods**—employed to provide an extra measure of corrosion protection for longer life.
- **Hand hole cleanout**—allows inspection of tank interior and facilitates removal of water heater's principal deterrent to long life—accumulated lime and sediment deposits.
- **Controls**—adjustable electric thermostat to any temperature up to 180°F (82°C). A recycling Energy Cut Off (E.C.O.) shuts off all gas in event of an overheat condition.
- **Factory installed Hydrojet® Sediment Reduction System**—durable stainless steel old inlet sediment reduction device. Helps prevent sediment build up in tank. Increases first hour delivery of hot water while minimizing temperature build up at top of tank.
- **Factory installed dielectric fittings**—all heaters equipped with special water heater nipples for longer heater life. No special dielectric fittings to buy.
- **NSF Construction available.**
- **ASME code available.**
- **Brass drain valve.**
- **T&P relief valve**—factory installed.
- **Three year limited warranty on steel tank**—heavy gauge steel automatically formed, rolled and welded to assure a continuous seam for glass lining.
- **One year limited warranty on parts.**
- **Design certified by CSA International. (formerly AGA and CGA)**
- **All models listed with California Energy Commission.**

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; 6,684,821; 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. 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.



Commercial
Power
Direct-Vent
PDV-80T-300
PDV-100T-360



ENERGY SAVER MODELS Includes installed T&P Valve and Electronic Ignition.

V	●	▲	★	MODEL NUMBER	NAT & LP INPUT BTU	1ST HR. DEL. GAL. AT 100°F RISE	RECOVERY GPH AT DEGREE RISE			STG. CAP. U.S. GAL.	DIMENSIONS IN INCHES										WEIGHT	
							40°F	100°F	140°F		A HT.	B DIA.	C TOP WTR. CONN.	D FRONT HW CONN.	E FRONT CW CONN.	F GAS CONN.	G TOP VENT HT.	WTR. CONN.	GAS CONN. DIA.	RELIEF VALVE OPEN.	STD WT. (LBS.)	ASME WEIGHT (LBS.)
V	●	▲	★	PDV-80T-300-3N(A)	300,000	347	728	291	208	80	63%	28 1/4	65%	51 1/2	20%	14	69 1/2	1 1/2 (T&F) 2 (R)	3/4	1	665	740
V	●	▲	★	PDV-100T-360-3N(A)	360,000	419	873	349	249	100	72%	28 1/4	74%	60%	20%	14	74 1/2	1 1/2 (T&F) 2 (R)	3/4	1	735	815

V	●	▲	★	MODEL NUMBER	NAT & LP INPUT kW	1ST HR. DEL. LTR. AT 56°C RISE	RECOVERY LPH AT DEGREE RISE			STG. CAP. LITERS	DIMENSIONS IN MILLIMETERS										WEIGHT	
							22°C	56°C	78°C		A HT.	B DIA.	C TOP WTR. CONN.	D FRONT HW CONN.	E FRONT CW CONN.	F GAS CONN.	G TOP VENT HT.	WTR. CONN.	GAS CONN. DIA.	RELIEF VALVE OPEN.	STD WT. (KG)	ASME WEIGHT (KG)
V	●	▲	★	PDV-80T-300-3N(A)	87.9	1313	2755	1101	787	303	1622	718	1670	1308	527	356	1765	38(T&F) 51(R)	19	25	302	336
V	●	▲	★	PDV-100T-360-3N(A)	105.5	1586	3304	1321	942	379	1851	718	1899	1537	527	356	1892	38(T&F) 51(R)	19	25	333	370

To order LP models change suffix "N" to "X"

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

V - 115V A.C. Required

● - Electronic Ignition

▲ - 80% Thermal Efficient

★ - Listed with California Energy Commission

(A) - ASME

Top, Front and Rear Connections

Energy Saver Series feature Hand Hole Cleanout on all models.

Recoveries and First Hour Delivery Rating are based on Thermal Efficiencies ranging up to 80%.

150 PSI (1034 kPa) Working Pressure, 300 PSI (2068 kPa) Test Pressure.

(E) LowNO _x Burners	Recovery at Degree Rise					
	GPH/LPH					
	40°F/22°C	100°F/56°C	140°F/78°C			
PDV-80T-300E-3N(A)	82.1 kW	280,000 BTU/Hr	679/257	272/1030	194/734	
PDV-100T-360E-3N(A)	98.2 kW	335,000 BTU/Hr	812/3073	325/1230	232/878	

These models meet or exceed the Thermal Efficiency and Standby Loss Requirements of ASHRAE 90.1b current standard.

****Note:** The standard vent kit 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. Optional vent kits are available and will allow for extensions up to 21 feet. For further details please reference the installation instructions.

All models are design certified by CSA International (formerly AGA and CGA) for up to 180°F. (82°C) application as an Automatic Storage Heater, and an Automatic Circulating Tank Heater. Complies with the latest edition of the applicable ANSI standard for gas-fired water heaters.

As an Automatic Storage Heater, all models are complete self-contained water heating systems. It needs no separate storage tank, pump, wiring or elaborate piping network. When equipped with a mixing valve, it will supply 180°F (82°C). sanitizing and 140°F (60°C) general purpose hot water simultaneously. These models can be used either as a single unit or in multiples connected in parallel.

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 _____ BTUH (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 three 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 1 1/2" (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.

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

Vitraglas® and Hydrojet® are registered trademarks of Bradford White® Corporation.

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

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