



Residential Gas Water Heaters

ProMax® POWER DIRECT VENT

An advanced line of sealed combustion power direct vented water heaters.

The Power Direct Vent (PDV) is designed with a sealed combustion chamber, ultra-quiet blower and state-of-the-art gas control for highly accurate and reliable temperature control.

Perfect for both residential new home construction and replacement water heater applications, the Power Direct Vent will provide the ultimate solution for your hot water needs.

FEATURES

- ENERGY STAR® qualified
- Exclusive TankSaver® design prolongs tank life
- Low-profile design is ideal for replacement applications
- Conveniently located T&P and drain valve for serviceability

INDUSTRY LEADING, ULTRA-QUIET BLOWER

SEALED COMBUSTION CHAMBER DESIGN

- Prevents accidental ignition of flammable vapours
- Maintains air quality as no indoor air is required for combustion
- Great for tight space installations

FLEXIBLE VENTING CONFIGURATIONS

- Can be vented with ULC s636 approved PVC or CPVC or polypropylene up to 50 equivalent feet, horizontally through the wall or vertically through the roof (see installation manual for full details)
- Auto-reset temperature switch monitors vent temperature

CODES AND STANDARDS

- These models meet the requirements of the BC Energy Efficiency Act

8-YEAR LIMITED TANK AND 6-YEAR LIMITED PARTS WARRANTY

For complete information, consult written warranty or
A. O. Smith Water Products Company.





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CAPACITY & DIMENSIONS IN INCHES

MODEL	DIMENSIONS IN INCHES							HEIGHT TO SIDE WATER ONNECTIONS (NOT SHOW ON DRAWING)		VENT DIAMETER	APPROX. SHIPPING WEIGHT
	INSTALLATION HEIGHT A	HEIGHT TO TOP OF TANK B	DIAMETER C	OVERALL DEPTH D	HEIGHT TO GAS INLET E	HEIGHT TO T & P F	HEIGHT TO DRAIN VALVE G				
								LOWER	UPPER		
NATURAL GAS											
GPDF 40	59-1/2	51	22-1/2	25-3/8	15	43-1/2	10-3/4	N/A	N/A	2 or 3	162
GPDF 50	68-1/2	60	22-1/2	25-3/8	15	52-1/2	10-3/4	N/A	N/A	2 or 3	182
GPDL 50	69-3/4	61-1/4	22-1/2	25-3/8	15	53	10-3/4	16	53	3	209
PROPANE											
GPDF 40	59-1/2	51	22-1/2	25-3/8	15	43-1/2	10-3/4	N/A	N/A	2 or 3	162
GPDF 50	68-1/2	60	22-1/2	25-3/8	15	52-1/2	10-3/4	N/A	N/A	2 or 3	182

VENT PIPE LENGTHS

MODEL	VENT PIPE DIAMETER IN.	MINIMUM NUMBER OF ELBOWS REQUIRED*	MINIMUM VENT LENGTH WITH ONE ELBOW FT.		MAXIMUM EQUIVALENT VENT LENGTH FT.	
			LOWER IN.	UPPER IN.	CONCENTRIC	2 PIPE
GPDF	2	1	7	7	50	50
	3	1	7	7	100	100
GPDL	3	1	7	7	30	50

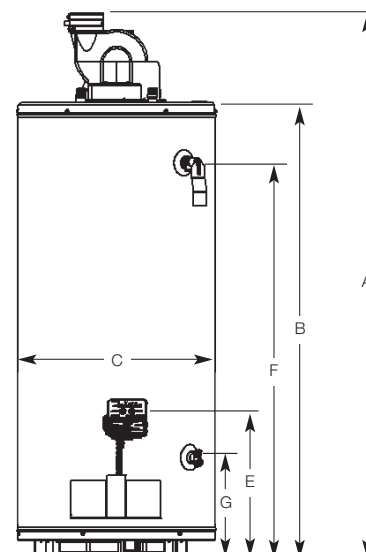
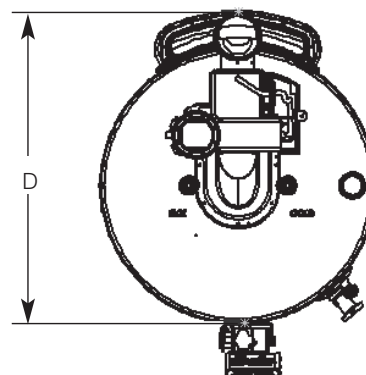
* Refer to installation manual for further details.

PERFORMANCE

MODEL	SERIES	GALLON CAPACITY	BTU INPUT	RECOVERY@ 90°F RISE GALLONS	ENERGY FACTOR	BC COMPLIANT
NATURAL GAS						
GPDF 40	100	40	40,000	43	.67	√
GPDF 50	100	50	40,000	44	.67	√
GPDL 50	100	50	65,000	72	.67	√
PROPANE						
GPDF 40	101	40	40,000	43	.67	√
GPDF 50	101	50	40,000	44	.67	√

CONCENTRIC VENT KITS

DESCRIPTION	PART NUMBER
2" Concentric Vent Kit (POLKGAVT0701)	6911088
3" Concentric Vent Kit (POLKGAVT0801)	6911089



For Technical Information, call 1-888-479-8324. A. O. Smith reserves the right to make product changes or improvements without prior notice.