



RESIDENTIAL

Envirosense™ Power Direct Vent

96% Efficient

Power Direct Vent Gas Water Heater

The 100,000 BTU Envirosense™ Power Direct Vent gas water heater is equipped with a fully submerged, spiral-shaped condensing heat exchanger and 50 gallons of storage capacity. This design provides much greater heat transfer surface than a standard straight flue tube, resulting in 96% thermal efficiency and higher hot water output* than comparable 80% efficient water heaters. With a 22" diameter, the Envirosense™ Power Direct Vent can be installed in less space than a 75-gallon unit yet delivers greater recovery and lower operating costs.

Power Direct Vent Design for Installation Versatility

- Modular blower, with 120V, 60Hz electrical system (5 amps or less)
- Combined horizontal and vertical vent runs terminating through outside wall, using ULC S636 PVC pipe as follows:
 - 2" pipe allows vent runs up to 45 equivalent feet
 - 3" pipe allows vent runs up to 128 equivalent feet

Available in Natural Gas or Propane

Side-Mounted Taps for Recirculating Systems

- Hot and cold "side taps" allow the Power Direct Vent to be used for "combination" systems for water heating plus space heating, radiant floor heating or other applications requiring a recirculating hot water loop
- Plugs for recirculating taps are factory installed

Advanced Electronic Control

- Large LCD display
- Precise temperature control
- Advanced diagnostics

Glass Lined Tank with Two Magnesium Anode Rods

- Provides superior protection against corrosion
- Commercial-grade glass lining protects all "water side" tank surfaces plus inside of internal heat exchanger exposed to condensate

Six-Year Limited Parts And Tank Warranty

- Consult written warranty shipped with water heater or contact GSW for complete warranty information



* 4.3 GPM continuous flow, based on 65°F inlet water temperature and 110°F outlet water temperature.

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SPECIFICATIONS

MODEL NUMBER	BTU INPUT PER HOUR	TANK SIZE GALLONS (LITRES)	FIRST HOUR DELIVERY GALLONS (LITRES)	RECOVERY-GALLONS (LITRES) PER HOUR AT 90°F RISE	SHIPPING WEIGHT LB (KG)
6G50100N-PDVH*	100,000	50 (189)	164 (621)	129 (488)	255 (116)

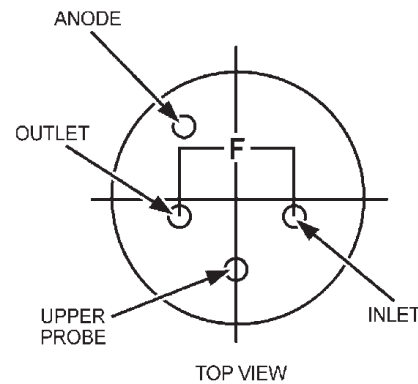
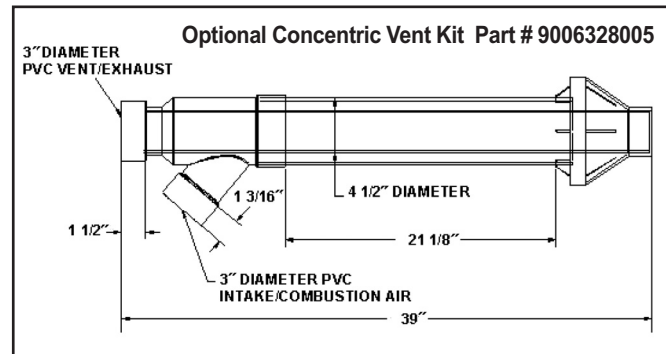
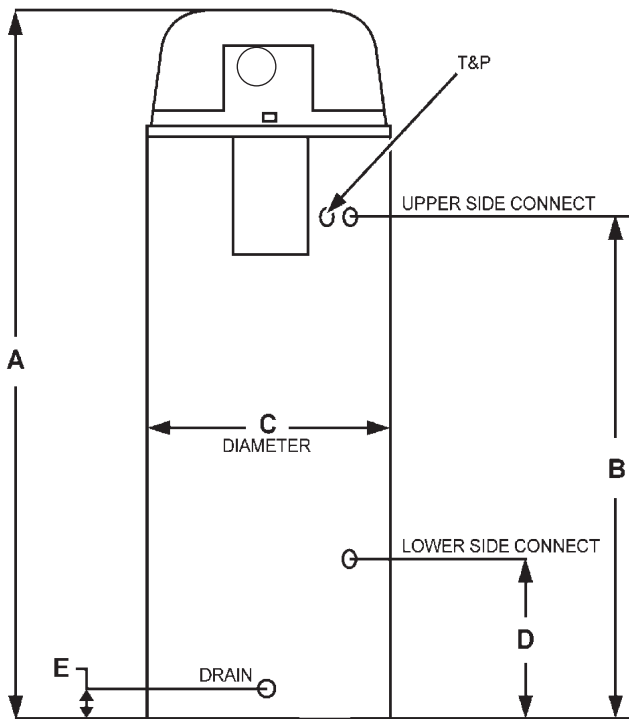
Manifold Pressure: 4.0 inches w.c. (.99 kPa); All models—Maximum Supply Pressure: 14 inches w.c. (3.48 kPa)
Minimum Supply Pressure Natural Gas: 3.5 inches w.c. (.87 kPa). Minimum Pressure Propane: 8.0 inches w.c. (1.99 kPa). Minimum Pressure must be maintained under both load and no-load (static and dynamic) conditions.

DIMENSIONS

	A	B	C	D	E	F
INCHES (CM)	66-3/4 (170)	49-1/4 (126)	22 (56)	15-3/4 (40)	3 (8)	8 (20)

* For LP replace "N" with "P"

Top inlet and outlet: 3/4" male NPT
Side inlet and outlet: 3/4" female NPT
Gas inlet: 1/2" NPT



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