



Envirosense™ Power Vent

90% Efficient Gas Water Heater

The Envirosense™ Power Vent is an ENERGY STAR® qualified, 50-gallon, 76,000 BTU gas water heater, equipped with a fully submerged, spiral-shaped condensing heat exchanger. This design provides much greater heat transfer surface than a standard straight flue tube, resulting in 90% thermal efficiency and higher hot water output than standard 78% efficient water heaters. With a 22" diameter, Envirosense™ Power Vent can be installed in less space than a 75-gallon unit and delivers greater recovery and lower operating costs. The Envirosense™ Power Vent is so advanced, it can deliver endless hot water shower after shower... at a continuous flow of over 3 gallons per minute.*

POWER VENT DESIGN FOR INSTALLATION VERSATILITY

- Modular blower, with 120V, 60Hz electrical system (5 amps or less), 6-foot cord with standard 3-prong connector
- Combined horizontal and vertical vent runs terminating through outside wall, using ULC S636 PVC, CPVC or polypropylene pipe as follows:
 - 2" pipe allows vent runs up to 25 equivalent feet
 - 3" pipe allows vent runs up to 65 equivalent feet
 - 4" pipe allows vent runs up to 125 equivalent feet
- Supplied with PVC pipe and elbows to connect heat exchanger outlet to blower, including condensate elbow and drain, and ULC S636 PVC Vent Attenuation Assembly (VAA)

SIDE-MOUNTED TAPS FOR RECIRCULATING SYSTEMS

- Hot and cold "side taps" allow the Envirosense™ Power 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 shipped with water heater

INTELLI-VENT™ GAS CONTROL WITH SILICON NITRIDE HOT SURFACE IGNITER

- Premium-grade hot surface igniter eliminates standing pilot
- Electronic circuitry provides superior system diagnostic capabilities plus extremely precise temperature control

COMMERCIAL-GRADE GLASS LINING WITH TWO MAGNESIUM ANODE RODS

- Superior protection against tank corrosion
- Glass lining protects all "water side" tank surfaces plus inside of internal heat exchanger exposed to condensate

DIFFUSER DIP TUBE

- Helps reduce lime and sediment buildup, maximize hot water output
- Cross-link polymer withstands long-term exposure to temperatures up to 400°F

SIX-YEAR LIMITED PARTS AND TANK WARRANTY

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

AVAILABLE IN NATURAL GAS ONLY

* 3.07 GPM continuous flow, based on 65°F/18°C inlet water temperature and 110°F/43°C 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/50°C RISE	SHIPPING WEIGHT LB (KG)
6G5076NVC-02	76,000	50 (189)	127 (481)	92 (347)	210 (95)

Natural gas only

High-altitude model (5,300 - 10,700 ft) available: replace '02' with '04'

DIMENSIONS

	A	B	C	D	E	F	G	H	J	K
INCHES (CM)	70-5/8 (179)	68-1/4 (173)	52 (132)	21 (53)	9-1/8 (23)	12 (31)	22 (56)	8 (20)	15-3/4 (40)	27 (69)

Top inlet and outlet connections: 3/4" male NPT

Circulation loop connections: 3/4" female NPT

