



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, the 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 delivers 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 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 build-up to, maximize hot water output
- Cross-link polymer withstands long-term exposure to temperatures up to 400°F

WARRANTY**

- 6 year limited tank warranty
- 6 year limited parts warranty

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.

**In residential applications. Reduced warranty in commercial applications.





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PERFORMANCE

Model	Series	Capacity		Maximum Certified Altitude	Input	Recovery Rate at 90°F Temperature Rise	Thermal Efficiency	BC Compliant
		USG	L					
NATURAL GAS								
6G5076NVC02*	110	50	189	5,300 (1,615)	76,000	91 (344)	90%	√

DIMENSIONS & SHIPPING WEIGHT

Model	Installation Height	Height to Top of Tank	Height to T&P	Height to Upper Side Connection	Height to Lower Side Connection	Height to Drain Valve	Height to Thermostat	Tank Diameter	Hot Connection to Cold Connection	Water Connection Depth From Front of Tank	Overall Depth	Top Water Connections	Side Water Connections	Shipping Weight
	A IN (CM)	B IN (CM)	C IN (CM)	C IN (CM)	D IN (CM)	E IN (CM)	F IN (CM)	G IN (CM)	H IN (CM)	J IN (CM)	K IN (CM)	IN NPT	IN NPT	LB (KG)
NATURAL GAS														
6G5076NVC02*	71 (180)	68 3/8 (174)	52 (132)	52 (132)	21 (53)	9 1/8 (23)	12 (30)	22 (56)	8 (20)	15 3/4 (40)	27 (69)	3/4	3/4	210 (95)

Natural gas only.

*Model has side connections.

