



# 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

