



# VERTEX™ HIGH EFFICIENCY POWER VENT



## Power Vent Design for Installation Versatility

- Helical internal heat exchanger achieves 90% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater.
- Combined horizontal and vertical vent runs terminating through an outside wall, using Schedule 40 PVC 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 128 equivalent feet.

## Side-Mounted Taps for Recirculating Systems

- Hot and cold "side taps" allow Vertex Power Vent to be used for combination space/water heating applications.

## Intelli-vent™\* Gas Control with Silicon Nitride Hot Surface Ignitor

- Premium-grade hot surface ignitor eliminates standing pilot.
- Electronic circuitry provides superior system diagnostics capabilities plus extremely precise temperature control.

## Blue Diamond® Glass Coating with Two Heavy Duty Anode Rods

- Provides superior corrosion resistance compared to the industry-standard glass lining.

## Green Choice® Gas Burner

- Patented eco-friendly burner design reduces NOx emissions by up to 33% and complies with Low-NOx emission requirements of less than 40 ng/l.

## Dynaclean™ Diffuser Dip Tube

## CSA Certified and ASME Rated T&P Relief Valve

## Maximum Hydrostatic Working Pressure: 150 psi

## Code Compliance

- Meets UBC, CEC and ICC National Codes.
- Meets the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1.

## 6-Year Limited Tank and Parts Warranty

- For complete information, consult written warranty or go to hotwater.com.

\*Intelli-Vent™ is a registered trademark of Emerson Electric Company



Model Number	Nominal Capacity	Rated Storage Volume	First Hour Rating (Gallons)	UEF	Thermal Efficiency	Recovery @ 90°F Rise Gallon Per Hour	BTU Input Per Hour	Dimensions in Inches		Approx. Shipping Weight (lbs)
								Height to Top of Heater	Diameter	
GPHE-50	50	48	119	0.88	90%	92	76,000	70-5/8	21	210

Available in natural gas only.  
 Standard model certified for sea level to 5,300 ft. elevation.  
 Optional Condensate Neutralizer Kit available (part number 100112380).