

The Vertex™ 100 Power Direct Vent Gas Water Heater



The Vertex™ Power Direct Vent Gas Water Heater offers unprecedented levels of performance to meet your hot water needs.

- Two models are available: 50- and 75-gallon. Each with 100,000 BTU/h
- Deliver thermal efficiencies of up to 96%
- The fully condensing design can deliver continuous hot water at a constant flow of up to 4 gallons per minute and provide a tank full of hot water to meet dump load needs as well.
- The unique helical coil heat exchanger limits weld joints for optimal service life while maximizing heat transfer.

Efficient, reliable and built with the same technology and care as our industry-leading commercial line.

- The helical heat exchanger keeps hot combustion gases in the tank longer to lengthen the heat transfer cycle, resulting in increased energy efficiency.
- Increased efficiency is significant and results in greater fuel savings.
- These higher efficiency rates reduce the exhaust vent temperatures, allowing the Vertex to be vented with low-cost PVC Schedule 40 pipe.
- Blue Diamond® Glass Coating provides a strong protective barrier to prevent corrosion.

**Available from A.O. Smith. We make millions of water heaters every year.
Add a few Vertex™ units to your next order!**

FEATURES AND BENEFITS

ADVANCED ELECTRONIC CONTROL

- Easy-to-use touch screen display
- Precise temperature control
- Provides detailed water heater status information

CONDENSING DESIGN

- High efficiency operation with up to 0.88 Uniform Energy Factor (96% thermal efficiency) to save money on operating costs
- Equipped with condensate drain tee

SUBMERGED COMBUSTION CHAMBER WITH HELICAL HEAT EXCHANGER COIL

- Positioned in center of tank, surrounded by water to virtually eliminate radiant heat loss from chamber
- Direct spark ignition
- Spiral heat exchanger keeps hot burner gases swirling, uses centrifugal force to maximize efficiency of heat transfer to water in tank
- Spiral heat exchanger reduces lime scale from forming on water-side surfaces, which maintains energy efficiency over time

TOP FIRED ULTRA-LOW NOX GAS BURNER

- Enhanced Ultra-low NOx burner complies with SCAQMD Rule 1146.2 and other Air Quality Management Districts with similar requirements for NOx emissions of less than 14 ng/j

POWER DIRECT VENT DESIGN

- Combined vertical and horizontal runs terminating through an outside wall. Vents using PVC, CPVC, or polypropylene pipe. Canadian installations require ULC S636 approved PVC, CPVC or polypropylene pipe for venting
- 2" pipe, vents up to 45 equivalent feet
- 3" pipe, vents up to 125 equivalent feet

SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Can be installed as part of combination space heating/ water heating applications

6-YEAR LIMITED TANK AND PARTS WARRANTY

For complete information, consult written warranty or go to [hotwater.com](https://www.hotwater.com)

Scan the QR code to visit [hotwater.com](https://www.hotwater.com) >

