

**6-Year Limited Tank/ 6-Year Limited Parts Warranty\***

## 96% THERMAL EFFICIENCY CONTINUOUS HOT WATER VERSATILE POWER DIRECT VENT

- Today's homes demand more hot water than ever before, and the 96% efficient power direct vent gas water heater offers unprecedented levels of performance to meet the need. The 50-gallon heater delivers hot water output that exceeds a 75-gallon atmospheric gas water heater. In fact, the fully condensing design is so advanced, it can deliver continuous hot water for shower after shower...a continuous flow of over 4 gallons per minute. \* Yet is easy to install, with height, diameter and installation requirements similar to standard power direct vent units.

### HELICAL INTERNAL HEAT EXCHANGER

- Completely surrounded by water in tank, provides much greater heat transfer surface than standard straight flue tube
- Helps produce 96% thermal efficiency, which saves money on operating costs compared to a standard 80% efficient gas water heater
- Spiral heat exchanger reduces the accumulation of lime scale; maintains higher efficiency performance over time.

### POWER DIRECT VENT DESIGN

- Uses inexpensive PVC, CPVC or ABS pipe for intake and exhaust.
- Can be vented vertically thru-the-roof or horizontally thru-the-wall
  - 2" pipe, vents up to 45 equivalent feet
  - 3" pipe, vents up to 128 equivalent feet
- Optional concentric and sidewall termination kits available

### CONDENSING DESIGN

- 96% efficient condensing design
- Equipped with condensate drain tee

### SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Allows water heater to be installed as part of combination space heating/water heating applications or any system requiring a recirculating hot water loop, including radiant floor heating

### ADVANCED ELECTRONIC CONTROL

- Large LCD display
- Precise temperature control
- Advanced diagnostics

### COMMERCIAL GRADE GLASS LINING

- Provides superior protection against corrosion
- Protects all interior tank surfaces including inside and outside of helical heat exchanger

### TWO HEAVY-DUTY ANODE RODS

- Provides added protection against corrosion

### TOP FIRED LOW-NOX GREEN CHOICE® GAS BURNER

- "Eco-Friendly" design reduces NOx emissions and complies with ultra-low NOx emission standards scheduled to be implemented in 2012

### CSA CERTIFIED AND ASME RATED T&P RELIEF VALVE

### AVAILABLE IN NATURAL GAS OR PROPANE

### MAXIMUM HYDROSTATIC WORKING PRESSURE: 150 PSI

\* 4.31 GPM continuous flow, based on 65°F inlet water temperature, 110° outlet temperature.



**VG6250T100NV  
Series 120 Shown**



\*For complete warranty information consult the written warranty of American Water Heaters found at [www.americanwaterheater.com](http://www.americanwaterheater.com), or call (800) 456-9805.

## 96% THERMAL EFFICIENCY CONTINUOUS HOT WATER VERSATILE POWER DIRECT VENT

### CODES AND STANDARDS

- Design-certified by UL (Underwriters Laboratories) according to ANSI Z21.10.3 - CSA 4.3 Standards
- This model meets or exceeds the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition ASHRAE/IESNA 90.1

| MODEL NUMBER* | BTU INPUT PER HOUR | GALLONS OR LITRES | FIRST HOUR DELIVERY GALLONS OR LITRES | RECOVERY GALLONS OR LITRES 90°F/50°C RISE | DIMENSIONS INCHES/CENTIMETERS |        |       |        |      |       | SHIPPING WEIGHT LBS/KG |
|---------------|--------------------|-------------------|---------------------------------------|---|-------------------------------|--------|-------|--------|------|-------|------------------------|
|               |                    |                   |                                       |   | A                             | B      | C     | D      | E    | F     |                        |
| VG6250T100NV  | 100,000            | 50                | 164                                   | 129                                       | 66-3/4                        | 49-1/4 | 22    | 15-3/4 | 3    | 8     | 255                    |
|               |                    | 189               | 621                                   | 488                                       | 169.55                        | 125.09 | 55.88 | 40     | 7.62 | 20.32 | 115.7                  |

Inlet and outlet connections: 3/4" male  
Circulation loop connections: 3/4" female  
Gas inlet: 1/2"

Maximum Supply Pressure: 14 inches W.C. (3.48kPa)

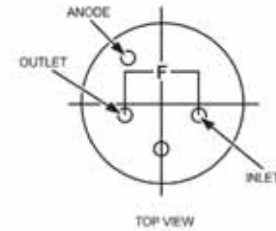
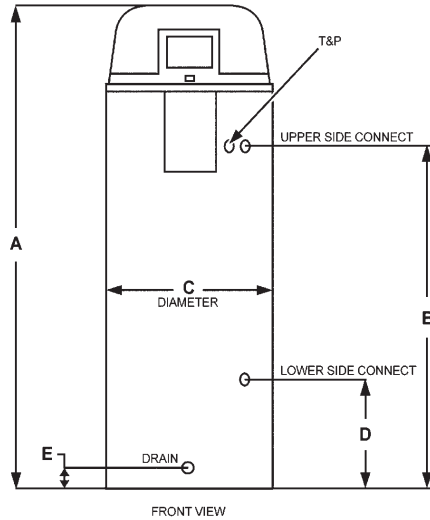
Minimum Supply Pressure for Natural Gas: 3.50 inches W.C. (.87kPa)

Minimum Supply Pressure for Propane Gas: 8.00 inches W.C. (1.99kPa)

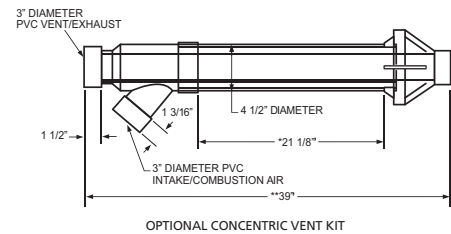
Minimum pressure must be maintained under both load and no load (dynamic and static) conditions.

Electrical Characteristics - 120V, 60Hz, Amperes <5

\* Available in LP - Change N to P when ordering.



\*INSTALL IN ACCORDANCE WITH LOCAL CODES



## Residential Gas Water Heater Specification

Residential gas water heater(s) shall be models \_\_\_\_\_ as manufactured by American Water Heaters, or an approved equal, and shall have a \_\_\_\_\_-year tank warranty and a \_\_\_\_\_-year parts warranty, when installed in a residential application. Heater(s) shall have a storage capacity of \_\_\_\_\_ gallons and shall have a rated input of \_\_\_\_\_ BTUs, and shall be designed, tested and listed with CSA International in accordance with the latest edition of ANSI Z21.10.1 - CSA4.1 standard. Heaters shall meet or exceed the Federal Energy Efficiency Standards effective January 20, 2004, according to the National Appliance Energy Conservation Act (NAECA) of 1992. The interior of the storage tank shall be lined with a Fused Ceramic Shield lining, fused to the tank at 1600° F, forming a corrosion-resistant lining; polymer linings are not acceptable. Each tank shall be furnished with an internal powered anode for cathodic protection. The unit must be equipped with a combination gas control thermostat and non-reset type ECO. A corrosion-resistant drain valve shall be provided on the front of each unit. The tank shall be totally encased in a steel jacket, painted and insulated with a non-CFC foam to reduce standby heat loss. The tank must be design certified for 300 PSI test pressure and 150 working pressure.

### Distributed By:

#### Order Entry and Sales

500 Princeton Road (FEDEX, UPS)  
Johnson City, TN 37601-2030  
P.O. Box 4808 (Mailing)  
Johnson City, TN 37602-4808  
(800) 937-1037  
FAX (800) 581-7224

#### Warranty and Service

500 Princeton Road (FEDEX, UPS)  
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P.O. Box 1597 (Mailing)  
Johnson City, TN 37605-1597  
(800) 456-9805  
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