

## POLARIS™ HIGH EFFICIENCY COMMERCIAL-GRADE RESIDENTIAL

The Polaris high efficiency gas water heater is the high performance answer for today's hot water needs. It can provide endless hot water\* and can be used for a combination of domestic hot water and space heating.

### CONDENSING DESIGN

- Operates at up to 96% thermal efficiency which saves money on operating costs compared to a standard 80% efficient gas water heater.
- Helical internal heat exchanger keeps hot combustion gases in the tank longer to extract more heat into the water.

### STAINLESS STEEL CONSTRUCTION

- Tank and helical heat exchanger are constructed from 444 stainless steel for excellent corrosion resistance without the need for an anode.

### WHISPER QUIET OPERATION

- Ultra quiet blower and burner to minimize noise.

### POWER DIRECT VENT DESIGN

- Direct vent using PVC, CPVC or Polypropylene (solid core only) through a sidewall or roof.
- Optional concentric vent kit.
- 2" pipe vents up to 52 equivalent feet (100-150k BTU/hr inputs)
- 3" pipe vents up to 130 equivalent feet

### ADVANCED ELECTRONIC CONTROL

- Large touchscreen display
- Precise temperature control
- Advanced water heater status and diagnostics

### FULLY SERVICEABLE FROM THE FRONT

- Two front access panels expose all serviceable components. Modular components are all easily removed.

### ULTRA-LOW NOx MODULATING 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.
- Modulating burner maintains high efficiency operation at lower input rates.

### SIDE-MOUNTED HOT AND COLD RECIRCULATING TAPS

- Polaris can be easily installed with a recirculation system or as part of a combined domestic & space heating system.

### AVAILABLE IN NATURAL GAS OR PROPANE

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

### STANDARDS AND CERTIFICATIONS

- Design-certified by CSA International according to ANSI Z21.10.3 – CSA 4.3 Standards.
- 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.

### 10-YEAR LIMITED TANK AND 1-YEAR PARTS WARRANTY

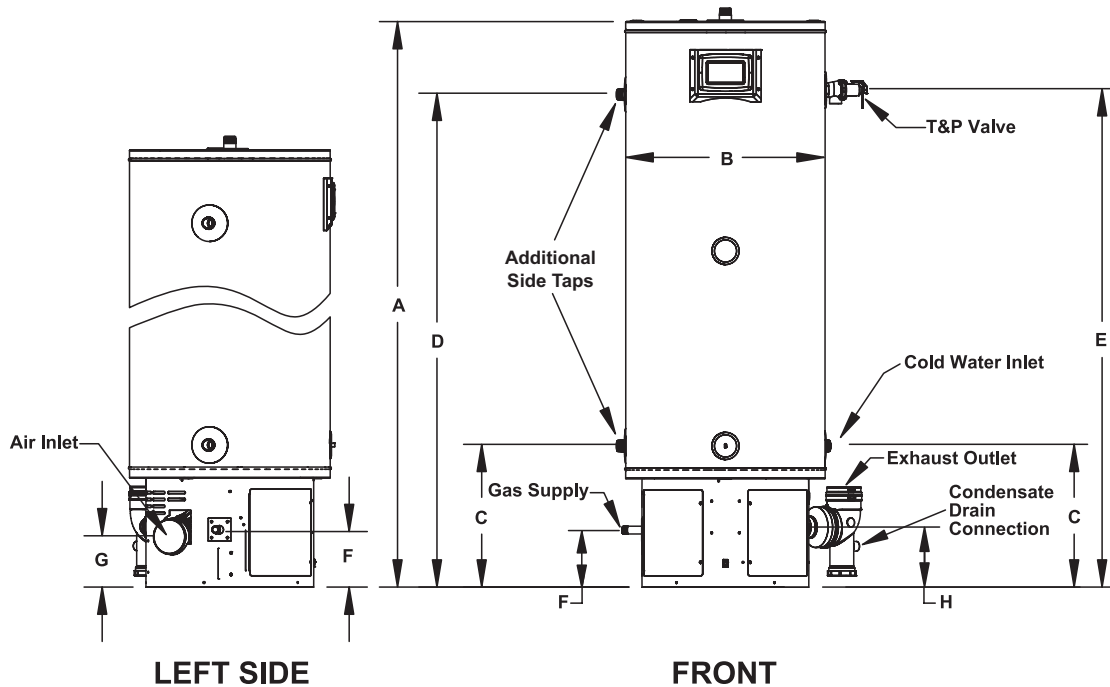
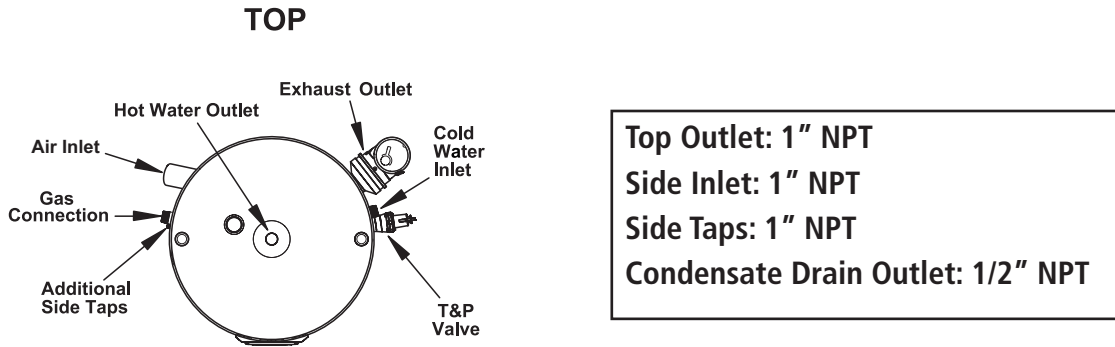
- For complete information, consult written warranty or go to [hotwater.com](http://hotwater.com).

\*When sized appropriately. Model GTP 199 can deliver 6.95 GPM continuous flow, based on 65°F inlet water temperature, 120°F outlet temperature.



| Model Number | Nominal Capacity | Rated Storage Volume | First Hour Rating (Gallons) | UEF  | Thermal Efficiency | Recovery @ 90° Rise Gallon Per Hour | BTU Input Per Hour | Dimensions in Inches |    | Vent Connection | 1" Water Connections |        | T&P    | Gas Supply* | Approx. Shipping Weight (lbs) |
|--------------|------------------|----------------------|-----------------------------|------|--------------------|-------------------------------------|--------------------|----------------------|----|-----------------|----------------------|--------|--------|-------------|-------------------------------|
|              |                  |                      |                             |      |                    |                                     |                    | A                    | B  |                 | C                    | D      |        |             |                               |
| GSP 100      | 34               | 33                   | 170                         | 0.90 | 96%                | 129                                 | 100,000            | 48-1/2               | 22 | 2 or 3          | 15-3/4               | 40-1/2 | 41     | 6-3/8       | 150                           |
| GSP 130      | 34               | N/A                  | N/A                         | N/A  | 96%                | 165                                 | 130,000            | 48-1/2               | 22 | 2 or 3          | 15-3/4               | 40-1/2 | 41     | 6-3/8       | 150                           |
| GSP 150      | 34               | N/A                  | N/A                         | N/A  | 94%                | 190                                 | 150,000            | 48-1/2               | 22 | 2 or 3          | 15-3/4               | 40-1/2 | 41     | 6-3/8       | 150                           |
| GTP 130      | 50               | N/A                  | N/A                         | N/A  | 95%                | 165                                 | 130,000            | 62-3/8               | 22 | 2 or 3          | 15-3/4               | 54-1/2 | 55     | 6-3/8       | 176                           |
| GTP 150      | 50               | N/A                  | N/A                         | N/A  | 95%                | 190                                 | 150,000            | 63-3/4               | 22 | 2 or 3          | 15-3/4               | 55-3/4 | 56-1/4 | 6-3/8       | 180                           |
| GTP 175      | 50               | N/A                  | N/A                         | N/A  | 96%                | 222                                 | 175,000            | 63-3/4               | 22 | 3               | 15-3/4               | 55-3/4 | 56-1/4 | 6-3/8       | 180                           |
| GTP 199      | 50               | N/A                  | N/A                         | N/A  | 96%                | 253                                 | 199,000            | 63-3/4               | 22 | 3               | 15-3/4               | 55-3/4 | 56-1/4 | 6-3/8       | 180                           |

Available in Propane (LP) gas. Specify when ordering Propane (LP) gas.  
Models certified for sea level to 7,700 ft. elevation.



For Technical Information, call 800-527-1953. A. O. Smith Corporation reserves the right to make product changes or improvements without prior notice.