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
- High efficiency operation with 0.90 Uniform Energy Factor GSP-100 and up to 96% thermal efficiency to save money on operating costs
- 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 10-YEAR PARTS WARRANTY
- For complete information, consult written warranty or go to 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.
### COMMERCIAL-GRADE RESIDENTIAL GAS WATER HEATERS

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

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Nominal Capacity</th>
<th>Rated Storage Volume</th>
<th>First Hour Rating (Gallons)</th>
<th>UEF</th>
<th>Thermal Efficiency</th>
<th>Recovery @ 90° Rise Gallon Per Hour</th>
<th>BTU Input Per Hour</th>
<th>Dimensions in Inches</th>
<th>Vent Connection</th>
<th>T&amp;P</th>
<th>Gas Supply*</th>
<th>Approx. Shipping Weight (lbs)</th>
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</thead>
<tbody>
<tr>
<td>GSP-100</td>
<td>34</td>
<td>33</td>
<td>170</td>
<td>0.90</td>
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<td>129</td>
<td>100,000</td>
<td>A 48-1/2 B 22</td>
<td>C 15-3/4 D 40-1/2 E 41 F 6-3/8</td>
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<td>130,000</td>
<td>A 48-1/2 B 22</td>
<td>C 15-3/4 D 40-1/2 E 41 F 6-3/8</td>
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<td>190</td>
<td>150,000</td>
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<td>C 15-3/4 D 40-1/2 E 41 F 6-3/8</td>
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<td>GTP-130</td>
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<td>165</td>
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<td>N/A</td>
<td>N/A</td>
<td>96%</td>
<td>190</td>
<td>150,000</td>
<td>A 63-3/4 B 22</td>
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<td>175,000</td>
<td>A 63-3/4 B 22</td>
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<td>199,000</td>
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<td>180</td>
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</tr>
</tbody>
</table>

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

**TOP**

- Air Inlet
- Hot Water Outlet
- Condensate Drain Outlet
- T&P Valve
- Additional Side Taps

**LEFT SIDE**

- Air Inlet
- Gas Supply
- Additional Side Taps

**FRONT**

- Gas Supply
- Condensate Drain Connection

**Top Outlet**: 1” NPT  
**Side Inlet**: 1” NPT  
**Side Taps**: 1” NPT  
**Condensate Drain Outlet**: 1/2” NPT