POLARIS™ HIGH EFFICIENCY

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.

3-YEAR LIMITED TANK AND 1-YEAR PARTS WARRANTY
• For complete information, consult written warranty or go to statewaterheaters.com.
### Commercial Gas Water Heaters

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Gallon Capacity</th>
<th>BTU/h Input</th>
<th>Thermal Efficiency</th>
<th>Recovery @ 90° Rise Gallon Per Hour</th>
<th>Dimensions in Inches</th>
<th>1&quot; Water Connections</th>
<th>T&amp;P</th>
<th>Gas Supply*</th>
<th>Approx. Shipping Weight (lbs)</th>
</tr>
</thead>
<tbody>
<tr>
<td>SPC 34 130 NE</td>
<td>34</td>
<td>130,000</td>
<td>96%</td>
<td>165</td>
<td>48-1/2</td>
<td>22</td>
<td>2 or 3</td>
<td>15-3/4</td>
<td>40-1/2</td>
</tr>
<tr>
<td>SPC 34 150 NE</td>
<td>34</td>
<td>150,000</td>
<td>94%</td>
<td>190</td>
<td>48-1/2</td>
<td>22</td>
<td>2 or 3</td>
<td>15-3/4</td>
<td>40-1/2</td>
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<tr>
<td>SPC 50 130 NE</td>
<td>50</td>
<td>130,000</td>
<td>95%</td>
<td>165</td>
<td>62-3/8</td>
<td>22</td>
<td>2 or 3</td>
<td>15-3/4</td>
<td>54-1/2</td>
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<tr>
<td>SPC 50 150 NE</td>
<td>50</td>
<td>150,000</td>
<td>94%</td>
<td>190</td>
<td>63-3/4</td>
<td>22</td>
<td>2 or 3</td>
<td>15-3/4</td>
<td>55-3/4</td>
</tr>
<tr>
<td>SPC 50 175 NE</td>
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<td>175,000</td>
<td>96%</td>
<td>222</td>
<td>63-3/4</td>
<td>22</td>
<td>3</td>
<td>15-3/4</td>
<td>55-3/4</td>
</tr>
<tr>
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<td>96%</td>
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<td>63-3/4</td>
<td>22</td>
<td>3</td>
<td>15-3/4</td>
<td>55-3/4</td>
</tr>
</tbody>
</table>

*For propane models change "N" to "P" in the model number (example: SPC 50 199 NE)

Models certified for sea level to 7,700 ft. elevation.

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**SUGGESTED SPECIFICATION**

(Natural or Propane) gas water heater(s) shall be State Polaris model with storage capacity _______ and input rating of _______ BTUs per hour. Water heater(s) shall have: 1: Tank constructed of 444 stainless steel with submerged combustion chamber. 2: Advanced electronic control w/ LCD display and actual diagnostics. 3: A 3-year limited warranty against tank leaks. Water heater(s) shall meet the thermal efficiency and standby loss requirements of the U.S. Department of Energy and current edition of ASHRAE/IES 90.1 and be design certified by CSA International according to ANSI Z21.10.3-CSA 4.3 standards governing storage tank water heaters.