Prestige Solo Features

- Light weight construction for wall mounting
- Approved for zero clearance to combustibles
- 3" PVC, CPVC, PP, or AL29-4C venting up to 60 equivalent feet
- 4" PVC, CPVC, PP, or AL29-4C venting up to 80 equivalent feet
- Limited 5 year warranty on parts, except igniter
- Limited 10 year warranty on heat exchanger

Approvals

- 95% AFUE Efficiency
- ENERGY STAR Qualified
- ANSI Z21.13 and CSA 4.9 Boiler Standards Compliance
- ASME Boiler Certification – ASME “H” Stamp
- Low NOx operation exceeding SCAQMD 2012 regulations

Stainless Steel Fire Tube Heat Exchanger

- 439 Stainless Steel heat exchanger construction for corrosion resistance
- Low pressure drop minimizes circulator size
- High water content provides stable temperature control
- Self cleaning flue ways reduce maintenance
- Suitable for use with propylene glycol up to 50% concentration

ACVMax Control System

- Graphical display with 6 navigation buttons
- EZ Setup allows quick and easy boiler settings adjustment
- Presets allow quick configuration of 4 circulator outputs
- Each circulator output is fully configurable for custom applications
- Outdoor temperature reset to maximize efficiency
- Accepts two space heating call inputs with independent outdoor reset curves
- Simultaneously heat dual temperature heating systems with built-in mixing valve control
- Domestic hot water priority with optional time-out
- Integrated cascade control for up to 6 Prestige boilers
- 0-10 VDC Modulation input
- Modbus building management system (BMS) interface, LonWorks® and BACnet® interface optional
- Adjustable warm weather shutdown
- Adjustable boiler freeze protection
- Logging function records sensor readings for system optimization and troubleshooting
- Describes lockouts in plain english and suggests solutions while storing last 8 errors

Standard Equipment

- Stainless steel premix burner
- Direct spark ignition with variable speed blower
- Full modulation with turndown ratio of 5.5:1
- Automatic air vent
- ASME 30 PSI pressure relief valve
- Integrated pressure and temperature gauge
- Outdoor temperature sensor
- Automatic low water cutoff feature with early warning
- High temperature manual reset limit safety control
- Terminal block for circulator output
- Low voltage terminal strip with removable jumpers for manual or automatic reset limits
- Swing out control for easy access and servicing
- Alarm and flame status contacts
- Polypropylene condensate pan and internal flue pipe
- Polypropylene vent/air connections with test ports
Boiler Dimensions

<table>
<thead>
<tr>
<th>Letter</th>
<th>Connection</th>
<th>Dimension in [mm]</th>
</tr>
</thead>
<tbody>
<tr>
<td>A</td>
<td>3/4&quot; NPSC Pressure Relief Valve</td>
<td>17&quot; [432]</td>
</tr>
<tr>
<td>B</td>
<td>3&quot; Combustion Air Inlet</td>
<td>16-5/16&quot; [415]</td>
</tr>
<tr>
<td>C</td>
<td>3&quot; Vent Outlet</td>
<td>4-5/16 [110]</td>
</tr>
<tr>
<td>D</td>
<td>1-1/4&quot; NPT Boiler Return</td>
<td>2-9/16&quot; [65]</td>
</tr>
<tr>
<td>E</td>
<td>3/4&quot; NPT Gas Connection</td>
<td>7-5/16&quot; [186]</td>
</tr>
<tr>
<td>F</td>
<td>1-1/4&quot; NPT Boiler Supply</td>
<td>17&quot; [432]</td>
</tr>
<tr>
<td>G</td>
<td>Boiler Width</td>
<td>19-3/4&quot; [502]</td>
</tr>
<tr>
<td>H</td>
<td>Boiler Height</td>
<td>36-9/16&quot; [928]</td>
</tr>
<tr>
<td>I</td>
<td>3/4&quot; NPSC Pressure Relief Valve</td>
<td>11-5/16&quot; [288]</td>
</tr>
<tr>
<td>J</td>
<td>3&quot; Combustion Air Inlet &amp; 3&quot; Vent Outlet</td>
<td>6-15/16&quot; [175]</td>
</tr>
<tr>
<td>K</td>
<td>3/4&quot; NPT Gas Connection</td>
<td>1-7/8&quot; [48]</td>
</tr>
<tr>
<td>L</td>
<td>1-1/4&quot; NPT Boiler Return &amp; Supply</td>
<td>11-5/16&quot; [288]</td>
</tr>
<tr>
<td>M</td>
<td>Boiler Depth</td>
<td>17-5/16&quot; [440]</td>
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Boiler Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel</th>
<th>Input Modulation (MBH)</th>
<th>AFUE</th>
<th>DOE Heating Capacity (MBH)</th>
<th>Net AHRI (MBH)</th>
<th>Boiler Water Volume (gal)</th>
<th>Power</th>
<th>Shipping Weight Lbs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solo 250</td>
<td>Natural Propane</td>
<td>43.6 - 240</td>
<td>95%</td>
<td>222</td>
<td>193</td>
<td>4.5</td>
<td>120/1/60 FLA: 10A</td>
<td>140</td>
</tr>
</tbody>
</table>

Pressure Drop Curve vs Grundfos Circulators