**Prestige Solo Features**

- Light weight construction for wall mounting
- Approved for zero clearance to combustibles
- 4” PVC, CPVC, PP, or AL29-4C venting up to 100 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

**Engineering Submittal**

**Prestige Solo 299**

**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 4.1:1
- 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

**Project / Location: ____________________________ Date: ____________________________**

**Consulting Engineer / Architect: ____________________________**

**Mechanical Contractor: ____________________________**
### 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” NPSC Pressure Relief Valve</td>
<td>18-5/8” [473]</td>
</tr>
<tr>
<td>B</td>
<td>4” Combustion Air Inlet</td>
<td>13-1/4” [336]</td>
</tr>
<tr>
<td>C</td>
<td>4” Vent Outlet</td>
<td>20-1/4” [514]</td>
</tr>
<tr>
<td>D</td>
<td>1-1/2” NPT Boiler Return</td>
<td>3-1/4” [82]</td>
</tr>
<tr>
<td>E</td>
<td>1” NPT Gas Connection</td>
<td>9-1/4” [236]</td>
</tr>
<tr>
<td>F</td>
<td>1-1/2” NPT Boiler Supply</td>
<td>17-7/8” [454]</td>
</tr>
<tr>
<td>G</td>
<td>Boiler Width</td>
<td>24-7/8” [632]</td>
</tr>
<tr>
<td>H</td>
<td>Boiler Height</td>
<td>39-3/8” [1000]</td>
</tr>
<tr>
<td>I</td>
<td>3/4” NPSC Pressure Relief Valve</td>
<td>15-1/4” [388]</td>
</tr>
<tr>
<td>J</td>
<td>4” Combustion Air Inlet &amp; 4” Vent Outlet</td>
<td>5-3/8” [136]</td>
</tr>
<tr>
<td>K</td>
<td>1” NPT Gas Connection</td>
<td>16-1/4” [412]</td>
</tr>
<tr>
<td>L</td>
<td>1-1/2” NPT Boiler Return &amp; Supply</td>
<td>14-5/8” [372]</td>
</tr>
<tr>
<td>M</td>
<td>Boiler Depth</td>
<td>23-5/8” [600]</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 299</td>
<td>Natural Propane</td>
<td>72.5 - 299</td>
<td>95%</td>
<td>278</td>
<td>242</td>
<td>7.4</td>
<td>120/1/60 FLA: 10A</td>
<td>210</td>
</tr>
</tbody>
</table>

### Pressure Drop Curve vs Grundfos Circulators

![Pressure Drop Curve vs Grundfos Circulators](image-url)