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

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

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

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

- 95.1% Thermal Efficiency
- ANSI Z21.13 and CSA 4.9 Boiler Standards Compliance
- ASME Boiler Certification – ASME “H” Stamp
- Low NOx operation exceeding SCAQMD 2012 regulations

Engineering Submittal

Prestige Solo 399

ACVMax Solo 399 Submittal

Date: 12/11/2017

Project / Location: _________________________________________________________________ Date: _______________
Consulting Engineer / Architect: ______________________________________________________________________
Mechanical Contractor: ________________________________________________________________________________
Boiler Dimensions

Boiler Specifications

<table>
<thead>
<tr>
<th>Model</th>
<th>Fuel</th>
<th>Input Modulation (MBH)</th>
<th>Thermal Efficiency</th>
<th>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 399</td>
<td>Natural Propane</td>
<td>72.5 - 399</td>
<td>95.1%</td>
<td>379</td>
<td>330</td>
<td>120/1/60 FLA: 10A</td>
<td>7.4</td>
<td>216</td>
</tr>
</tbody>
</table>

Pressure Drop Curve vs Grundfos Circulators