Performance:
▪ Full Load Thermal Efficiency 95.2%
▪ Design Certified by SCAQMD for Low NOx Operation
▪ Modulating Burner with 5:1 Turndown Capability
▪ Factory Equipped for Outdoor Reset Operation
▪ Dual Temperature Settings for Central Heating and Domestic Hot Water
▪ Dual Flame Sensing for Reliable Ignition
▪ Suitable for Firing Natural or LP Gas

Construction:
▪ Designed, Constructed and Stamped in accordance with ASME Boiler & Pressure Vessel Code, Section IV
▪ Design Certified for Zero Clearance to Combustible Construction
▪ Maximum Allowable Working Pressure: 160 PSI
▪ 304L Stainless Steel Heat Exchanger
▪ Sealed, Negative Pressure Cabinet
▪ Removable Jacket Panels
▪ Suitable for Floor or Wall Mounting*
▪ Leveling Legs
▪ Factory Equipped with Boiler Service Switch
▪ 120 Volt Convenience Outlet

Exhaust/Air Intake Piping:
▪ Suitable for Sealed Combustion Operation
▪ CPVC Vent Adapter for PVC or CPVC Pipe
▪ Factory Supplied Vent & Air Inlet Terminations with Screens
▪ Vent Temperature Sensor

Safety Features:
▪ 30 PSIG ASME Safety Relief Valve (Loose)
▪ Pressure/Temperature Gauge (Loose)
▪ Integrated Connections for Low Water Cut Off or Flow Switch
▪ Manual Reset High Temperature Limit

Control Features:
▪ Plain English Status Display
▪ Factory Equipped for Multiple Boiler Cascade Operation
▪ Flame Signal Logging Capability
▪ Freeze Protection
▪ DHW Tank Warm Hold
▪ Ramp Delay Step Modulation
▪ Outdoor Sensor Included
▪ System Type Presets
▪ Temperature Boost Function
▪ Warm Weather Shut Down
▪ Anti Cycling Logic
▪ Limited DHW Priority
▪ DHW Heat Economy Circulation
▪ Service Notification
▪ System Test for Manual Control of Firing Rate
▪ Fault History

Combustion System:
▪ High Quality Low NOx Burner
▪ Dual Flame Sensing
▪ High Energy Spark Ignition

Condensate System:
▪ Built-in Condensate Trap with Neutralization
▪ Blocked Condensate Switch
▪ Highly Visible, Easy Access Condensate Collector

Warranty:
▪ One Year Parts Warranty
▪ One Year Labor Warranty*
▪ 10 Year Limited Heat Exchanger Warranty
▪ Available 5 & 10 Year Extended Parts & Labor Warranties
▪ Visit PeerlessBoilers.com for Complete Warranty Details

Codes:
▪ Design Certified to ANSI Z21.13
▪ CSD-1 Compliant
▪ California Emissions Compliant
▪ Massachusetts Plumbing Code Compliant

* Purchased by PB Heat, LLC, if Product and Installer/Service Provider are Registered with Program Administrator.
PEERLESS® PUREFIRE® HIGH EFFICIENCY STAINLESS STEEL BOILER

### PEERLESS® PUREFIRE® PF-399 BOILER RATINGS

<table>
<thead>
<tr>
<th>Boiler</th>
<th>Input (MBH)</th>
<th>Heating Capacity (MBH)</th>
<th>Net Ratings (MBH)</th>
<th>Thermal Efficiency (%)</th>
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</thead>
<tbody>
<tr>
<td>PF-399</td>
<td>Min 80</td>
<td>Max 399</td>
<td>380</td>
<td>330</td>
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</table>

### PEERLESS® PUREFIRE® PF-399 CAPACITIES

<table>
<thead>
<tr>
<th>Gas Pressure</th>
<th>Min/Max (Inch WC)</th>
<th>Total Water Capacity (Gallons)</th>
<th>Water Flow Rate &amp; Pressure Drop</th>
<th>Total Combined Length of Air Intake &amp; Vent (Feet)</th>
<th>Shipping Weight (Lbs)</th>
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</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td>Design Temp Differential (°F)</td>
<td>Flow Rate (GPM)</td>
<td>Pressure Drop (Feet)</td>
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<tr>
<td>3.5 (N)</td>
<td>13.5 (N)</td>
<td>2.60</td>
<td>20</td>
<td>37.3</td>
<td>18.08</td>
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<tr>
<td>8.0 (LP)</td>
<td>13.5 (LP)</td>
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<td>30</td>
<td>24.9</td>
<td>8.50</td>
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<tr>
<td></td>
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<td></td>
<td>40</td>
<td>18.7</td>
<td>4.97</td>
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### PEERLESS® PUREFIRE® PF-399 ELECTRICAL RATINGS

<table>
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<tbody>
<tr>
<td>120 VAC</td>
<td>60 Hz</td>
<td>2.50</td>
<td>0.21</td>
<td>3.15</td>
<td>10.00 x 2</td>
<td>20.00</td>
</tr>
</tbody>
</table>

**Optional Equipment:**
- PFA-1 Interface Adapter
- Alarm Contacts
- Analog Input
- Modbus Communications
- 4” Concentric PVC Vent Termination
- Floor Mounted Steel Stand
- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boiler Operation
- Boiler Circulator
- 50 PSI Safety Relief Valve
- 100 PSI Safety Relief Valve
- 150 PSI Safety Relief Valve
- Probe-type Low Water Cutoff
- Expansion Tank
- High Performance Air Vent
- PFW-399 Hot Water Boiler Conversion with Floor Switch and Piping Header Kit

These specifications are subject to change without notice.

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