Performance:
▪ Full Load Thermal Efficiency 96.5%
▪ Design Certified by SCAQMD for Low NOx Operation
▪ Dual Modulating Burners with 10:1 Overall 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
▪ Modbus Capable

Construction:
▪ Designed, Constructed and Stamped in accordance with ASME Boiler & Pressure Vessel Code, Section IV
▪ Design Certified for Zero Clearance to Combustible Construction
▪ Space Saving Stackable Design
▪ Maximum Allowable Working Pressure: 160 PSI
▪ 304L Stainless Steel Heat Exchanger
▪ Heavy Gauge Support Structure & Cabinet
▪ Removable Jacket Panels
▪ Leveling Legs

Exhaust/Air Intake Piping:
▪ Suitable for Direct Vent Combustion Operation with Inside or Outside Air
▪ Stainless Steel Drain Tee w/Condensate Neutralization
▪ Designed for Common Venting/Air Inlet
▪ 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
▪ Advanced Burner Control Logic for Common Venting of Multiple Boilers
▪ 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
▪ Alarm Contacts
▪ Analog Input for Setpoint
▪ Modbus Communications Capability

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 Program*
▪ 10 Year Limited Heat Exchanger Warranty
▪ Available 5 and 10 Year Extended Parts and Labor Warranties
* Purchased by PB Heat, LLC, if Product and Installer/Service Provider are Registered with Program Administrator.
## Optional Equipment:
- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boilers
- 50 PSI Safety Relief Valve
- 100 PSI Safety Relief Valve
- 150 PSI Safety Relief Valve
- BACnet or LonWorks Gateway

## PEERLESS® PUREFIRE® PFC-1500 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>
</tr>
</thead>
<tbody>
<tr>
<td>PFC-1500</td>
<td>150</td>
<td>1448</td>
<td>1259</td>
<td>96.5</td>
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</tbody>
</table>

## PEERLESS® PUREFIRE® PFC-1500 CAPACITIES

<table>
<thead>
<tr>
<th>Gas Pressure 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>
</tr>
</thead>
<tbody>
<tr>
<td>3.5 (N)</td>
<td>26.0 (N)</td>
<td>12.5</td>
<td>20</td>
<td>144.8</td>
</tr>
<tr>
<td>8.0 (LP)</td>
<td>26.0 (LP)</td>
<td>12.5</td>
<td>30</td>
<td>96.5</td>
</tr>
</tbody>
</table>

## PEERLESS® PUREFIRE® PFC-1500 ELECTRICAL RATINGS

<table>
<thead>
<tr>
<th></th>
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<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>60 Hz</td>
<td>3.0 x 2</td>
<td>0.13 x 2</td>
<td>3.15 x 2</td>
<td>10.00 x 2</td>
<td>20.00</td>
</tr>
</tbody>
</table>

Optional Equipment:
- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boilers
- 50 PSI Safety Relief Valve
- 100 PSI Safety Relief Valve
- 150 PSI Safety Relief Valve
- BACnet or LonWorks Gateway