Performance:
- 95.0 Annual Fuel Utilization Efficiency (AFUE) AHRI Certified
- ENERGY STAR® Qualified
- Design Certified by SCAQMD for Low NOx Operation
- Modulating Burner with 3.1:1 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

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

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 Los 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*
- 12 Year Limited Heat Exchanger Warranty
- Available 5 & 10 Year Extended Parts & Labor Warranties
- Visit PeerlessBoilers.com for Complete Warranty Details

* Purchased by PB Heat, LLC, if Product and Installer/Service Provider are Registered with Program Administrator.
PEERLESS® PUREFIRE® PF-50 BOILER RATINGS

<table>
<thead>
<tr>
<th>Boiler</th>
<th>Input (MBH)</th>
<th>Heating Capacity (MBH)</th>
<th>Net Ratings (MBH)</th>
<th>AFUE (%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>PF-50</td>
<td>16</td>
<td>47</td>
<td>41</td>
<td>95.0</td>
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</table>

PEERLESS® PUREFIRE® PF-50 DIMENSIONS

<table>
<thead>
<tr>
<th>Dimensions (Inches)</th>
<th>Supply/Return Connections</th>
<th>Gas Supply Connections</th>
<th>Air Intake &amp; Vent Connection</th>
<th>Relief Valve Size NPT</th>
</tr>
</thead>
<tbody>
<tr>
<td>“A”</td>
<td>13-3/4”</td>
<td>4-13/16”</td>
<td>8-7/8”</td>
<td>1”</td>
</tr>
<tr>
<td>“B”</td>
<td></td>
<td></td>
<td></td>
<td>1/2”</td>
</tr>
<tr>
<td>“C”</td>
<td></td>
<td></td>
<td></td>
<td>3”</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td>3/4”</td>
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</tbody>
</table>

PEERLESS® PUREFIRE® PF-50 CAPACITIES

<table>
<thead>
<tr>
<th>Gas Pressure Min/Max (Inch WC)</th>
<th>Total Water Capacity (Gallons)</th>
<th>Minimum Water Flow Rate (40°F ∆T)</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>3.5 (N)</td>
<td>0.62</td>
<td>2.3</td>
<td>2.17</td>
<td>200</td>
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<tr>
<td>8.0 (LP)</td>
<td>13.5 (LP)</td>
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PEERLESS® PUREFIRE® PF-50 ELECTRICAL RATINGS

<table>
<thead>
<tr>
<th>Supply Voltage (-15%, +10%)</th>
<th>Frequency (±10 Hz)</th>
<th>Blower</th>
<th>Gas Valve</th>
<th>Pumps</th>
<th>Max Total Service Current to Boiler</th>
</tr>
</thead>
<tbody>
<tr>
<td>120 VAC</td>
<td>60 Hz</td>
<td>120</td>
<td>0.9</td>
<td>120</td>
<td>0.09</td>
</tr>
<tr>
<td></td>
<td></td>
<td>120</td>
<td>0.09</td>
<td>120</td>
<td>2.16</td>
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<td>3.15</td>
</tr>
</tbody>
</table>

Optional Equipment:

- PFA-1 Interface Adapter
- Alarm Contacts
- Analog Input
- Modbus Communications
- 3" Concentric PVC Vent Termination
- Wall Mounting Bracket
- Floor Mounted Steel Stand
- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boiler Operation
- Low Loss Header Piping Kit
- 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

These specifications are subject to change without notice.