PF-80 Features and Standard Equipment

**Performance:**
- 95.22 Annual Fuel Utilization Efficiency (AFUE)
- ENERGY STAR® Qualified
- Design Certified by SCAQMD for Low NOx Operation
- Modulating Burner with 3:1 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 Code Compliant
- Massachusetts 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:**
- State of the Art Metal Mesh 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 and Labor Warranty
- 10 Year Limited Warranty
Optional Equipment:
- PFA-1 Interface Adapter
  - Alarm Contacts
  - Analog Input
  - Modbus Communications
- 3" Concentric PVC Vent Termination
- 3" Stainless Steel Vent Termination
- Wall Mounting Bracket
- Floor Mounted Steel Stand
- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boiler Operation
- Primary-Secondary Piping Kit
- Boiler Circulator
- 50 PSI Safety Relief Valve
- 100 PSI Safety Relief Valve
- 150 PSI Safety Relief Valve
- PC Software
  - Status
  - Fault History
- Probe-Type Low Water Cutoff
- Expansion Tank
- High Performance Air Vent

These specifications are subject to change without notice.