



# Peerless® *PUREFIRE*®

## PFC-750 Features and Standard Equipment

### **Performance:**

- Full Load Thermal Efficiency 97.9%
- 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
- Welded Steel Frame that is Fork Truck, Pallet Jack, or Crane Compatible
- Space Saving Stackable Design
- Maximum Allowable Working Pressure: 160 PSI
- 304L Stainless Steel Heat Exchanger
- Sealed Air Inlet with Filter
- Removable Jacket Panels
- Leveling Legs
- Easy Access to Electrical Wiring

### **Exhaust/Air Intake Piping:**

- Suitable for Direct Vent Combustion Operation with Inside or Outside Air
- PVC Exhaust Connection
- Common Air Inlet Capable
- Vent Temperature Sensor
- Air Inlet Sensor and Air Proving Switch
- Blocked Vent Switch

### **Safety Features:**

- 30 PSIG ASME Safety Relief Valve (Loose)
- Pressure/Temperature Gauge (Loose)
- Integrated Manual Low Water Cut Off Switch with Test Feature
- Manual Reset High Temperature Limit

### **Codes:**

- Design Certified to ANSI Z21.13
- CSD-1 Compliant
- Massachusetts Plumbing Code Compliant

### **Control Features:**

- Plain English Status Display
- Multiple Languages Including French and Spanish Available
- Factory Equipped for Multiple Boiler Cascade Operation
- Flame Signal Monitoring
- Freeze Protection
- DHW Tank Warm Hold
- Outdoor Sensor Included
- Temperature Boost Function
- Warm Weather Shut Down
- Anti Cycling Logic
- DHW Priority Control
- DHW Heat Economy Circulation
- Service Notification
- System Test for Manual Control of Firing Rate
- Fault History
- Alarm Contacts
- Analog Input for Set Point
- Modbus Communications Capability
- Built-In Pump Relay Board

### **Combustion System:**

- State of the Art Metal Mesh Burner
- Dual Flame Sensing
- High Energy Spark Ignition
- Integrated Fuel Pressure Switches

### **Condensate System:**

- Built-in Condensate Trap
- Blocked Condensate Switch
- Easy Access Condensate Collector

### **Warranty:**

- One Year Parts and Labor Warranty
- 10 Year Limited Warranty

# PEERLESS® PUREFIRE® HIGH EFFICIENCY STAINLESS STEEL BOILER

## PEERLESS® PUREFIRE® PFC-750 BOILER RATINGS

Boiler	Input (MBH)		Heating Capacity (MBH)	Net Ratings (MBH)	Thermal Efficiency (%)
	Min	Max			
PFC-750	150	750	735	639	98.0

## PEERLESS® PUREFIRE® PFC-750 CAPACITIES

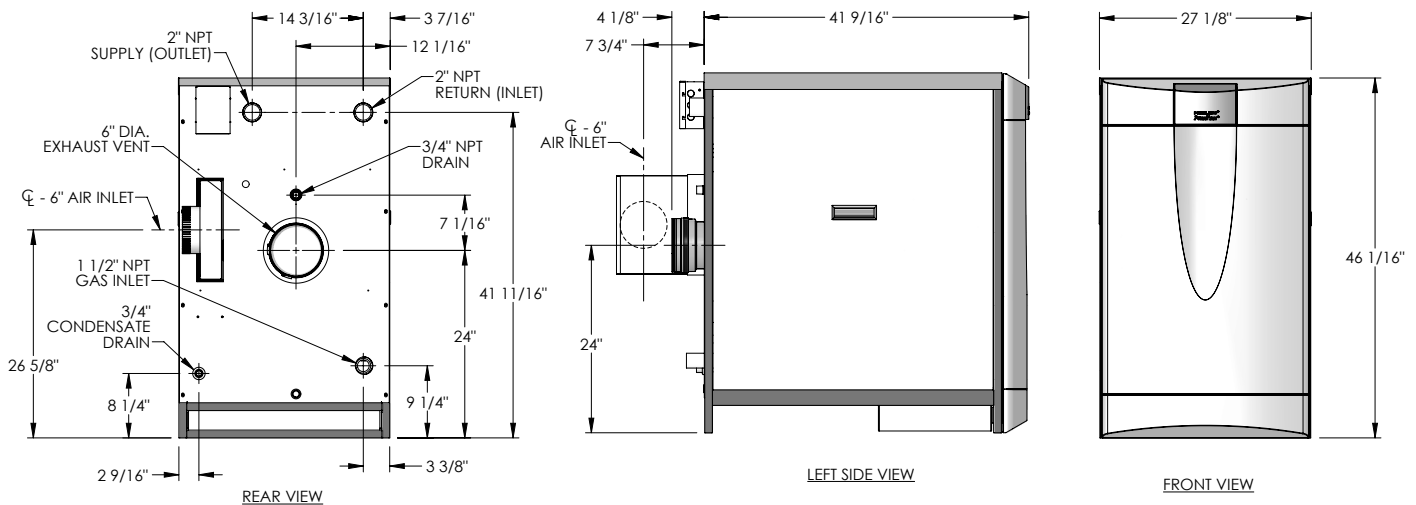
Gas Pressure Min/Max (Inch WC)		Total Water Capacity (Gallons)	Water Flow Rate & Pressure Drop			Total Combined Length of Air Intake & Vent (Feet)	Shipping Weight (Lbs)
			Design Temp Differential (°F)	Flow Rate (GPM)	Pressure Drop (Feet)		
3.5 (N)	13.5 (N)	6.36	20	73.5	12.43	200	530
8.0 (LP)	13.5 (LP)		30	49	5.52		
			40	36.75	3.11		

## PEERLESS® PUREFIRE® PFC-750 ELECTRICAL RATINGS

Supply Voltage (-15%, +10%)	Frequency (±10 Hz)	Blower Current (Amps)	Gas Valve Current (Amps)	Total Control Circuit Max. Current (Amps)	Circulating Pumps Max. Current (Amps)	Total Pump Circuit Max. Current (Amps)
120 VAC	60 Hz	8.5	0.21 x 2	5.0	10.00 x 2	20.00

### Optional Equipment:

- Domestic Water Tank Temperature Sensor
- System Sensor for Multiple Boilers
- 50/100/150 PSI Safety Relief Valve



PFC8036 R0 (08/21)  
 Printed in U.S.A.