

# Peerless® Boilers



PeerlessBoilers.com

## Peerless® PureFire® High Efficiency Condensing Commercial Gas Boilers

### Features and Benefits

- ✓ Up to 96.6% Thermal Efficiency
- ✓ Gas-fired Condensing Boiler for Natural or LP Gas
- ✓ With Addition of LWCO, Boilers are CSD-1 Compliant
- ✓ Direct-vent/Sealed Combustion or Indoor Air
- ✓ Fully Modulating Burner with Maximum 10 to 1 Turndown\*
- ✓ ETL Certified for U.S. and Canada
- ✓ Environmentally Friendly—LoNOx Operation, SCAQMD Certified
- ✓ Sleek, Modern Design with Easy Access to Controls
- ✓ Compact; Small Footprint
- ✓ Cascade Capable—up to 16 Boilers
- ✓ MODBUS Communications, Standard
- ✓ BACnet/LonWorks (optional)
- ✓ Unique Design Allows Common Venting of Multiple Boilers

\*PFC-850 - PFC-1500

Check out our entire line of PureFire®  
sizes ranging from **50 MBH to 4,000 MBH!**



### PF TO PFW CONVERSION KIT

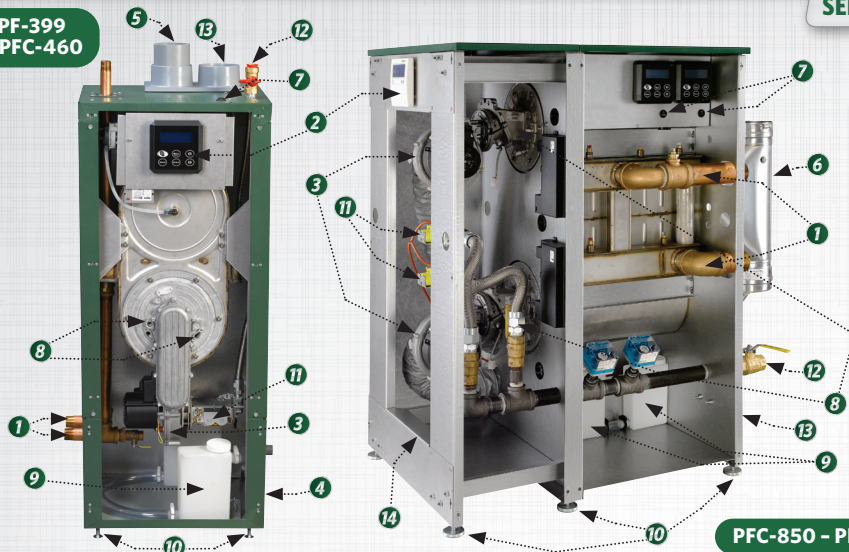
Turn the PF-399 into a PFW-399  
large volume, hot water supply  
boiler with our simple conversion kit!



SCAN FOR  
PUREFIRE®  
PRODUCT INFO

SEE YOUR LOCAL DEALER FOR MORE INFORMATION

PF-399  
& PFC-460



PFC-850 - PFC-1500

- |   |  |
|---|--|
| 1 Supply / Return Pipes                     | 8 Reliable Dual Flame Sensors            |
| 2 Boiler Status Display                     | 9 Condensate System with Neutralizer     |
| 3 Blower                                    | 10 Leveling Legs                         |
| 4 120V Service Outlet (PF-399 - PFC-460)    | 11 Gas Valve                             |
| 5 Top Vent Connections (PF-399)             | 12 Gas Inlet                             |
| 6 Rear Vent Connection (PFC-850 - PFC-1500) | 13 Air Inlet                             |
| 7 Service Switch                            | 14 Air Inlet Plenum (PFC-850 - PFC-1500) |

## WARRANTY

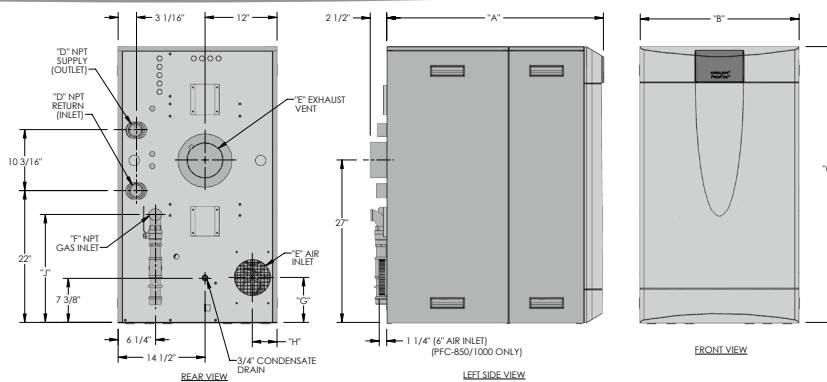
Five-year parts and one-year labor warranty included with every boiler\*. Visit PeerlessBoilers.com for complete details on standard and extended warranty programs available. \*Boiler and installer must be registered

**PeerlessBoilers.com**

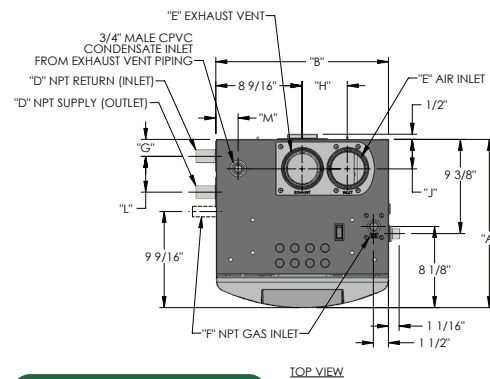
## Technical Information

## Standard Equipment

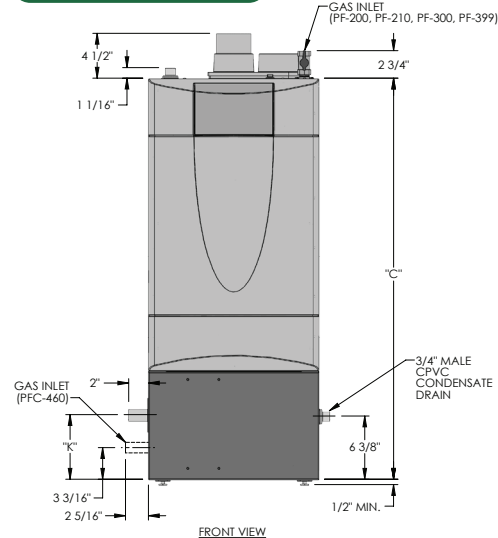
- ✓ **Built-in Condensate Neutralizer System with Float Switch Protection**
- ✓ **State-of-the-Art Control Board with Advanced Features**
- ✓ **High Grade Stainless Steel Burner and Heat Exchanger**
- ✓ **Outdoor Reset Capability**
- ✓ **Domestic Hot Water Priority**
- ✓ **PVC Screened Air Intake and Exhaust**
- ✓ **Combination Temperature-Pressure Gauge and 30 PSIG Relief Valve**



## PFC-850 - PFC-1500

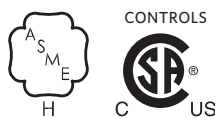


## PF-399 & PFC-460



## Carton Dimensions & Shipping Weights

Boiler Model Number	Length	Width	Height	Approx Shipping Weight (Lbs)
PF-399	25"	32"	50"	275
PFC-460	25"	32"	50"	275
PFC-850	54-1/2"	32"	52"	345
PFC-1000	54-1/2"	32"	52"	405
PFC-1500	79-1/2"	32"	52"	690



## Peerless® PureFire® Dimensions

Boiler Model Number	A	B	C	D	E	F	G	H	J	K	L
PF-399	28-1/8"	17-3/16"	40-1/2"	1-1/2"	4"	3/4"	2-11/16"	5-1/4"	3-9/16"	5-13/16"	7-1/6"
PFC-460	27-15/16"	17-3/16"	40-1/2"	1-1/2"	4"	3/4"	2-3/4"	5-1/4"	3-1/2"	5-3/4"	7-1/6"
PFC-850	36-1/8"	26-1/2"	46"	2"	6"	1-1/4"	7-1/2"	4-1/8"	18	-	-
PFC-1000	39"	26-1/2"	46"	2"	6"	1-1/4"	7-1/2"	4-1/8"	18	-	-
PFC-1500	61-1/8"	26-1/2"	46"	2-1/2"	7"	2"	8-1/2"	6-3/16"	20-13/16"	-	-

## Boiler Ratings

Boiler Model Number	Input				Gross Output <sup>2</sup>		Net Water Ratings <sup>1</sup>		Thermal Efficiency <sup>2</sup>
	Minimum		Maximum						
	MBH	kW	MBH	kW	MBH	kW	MBH	kW	%
PF-399	80	23.4	399	116.9	380	111.4	330	96.7	95.2%
PFC-460	92	26.9	460	138.8	438	128.4	381	111.7	95.2%
PFC-850	85	24.9	850	249.1	818	239.7	711	208.4	96.2%
PFC-1000	100	29.3	1,000	293.1	966	283.1	840	246.2	96.6%
PFC-1500	150	43.9	1,500	439.6	1,448	424.3	1,259	368.9	96.5%

Note: Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermitte system operation, extensive piping systems, etc.

As an ENERGY STAR® partner, PB Heat has determined that these firing rates meet the ENERGY STAR guidelines for energy efficiency.

1 Net water ratings are based on an allowance of 1.15.

2 Gross Output and Thermal Efficiency are in accordance with BTS 2000 TESTING STANDARD FOR HEATING BOILERS.



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CUT-PFC R12 (08/25 - 5C)

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