



# Peerless® PUREFIRE®

## High Efficiency Condensing Commercial Gas Boilers

**NEW SIZE AVAILABLE**

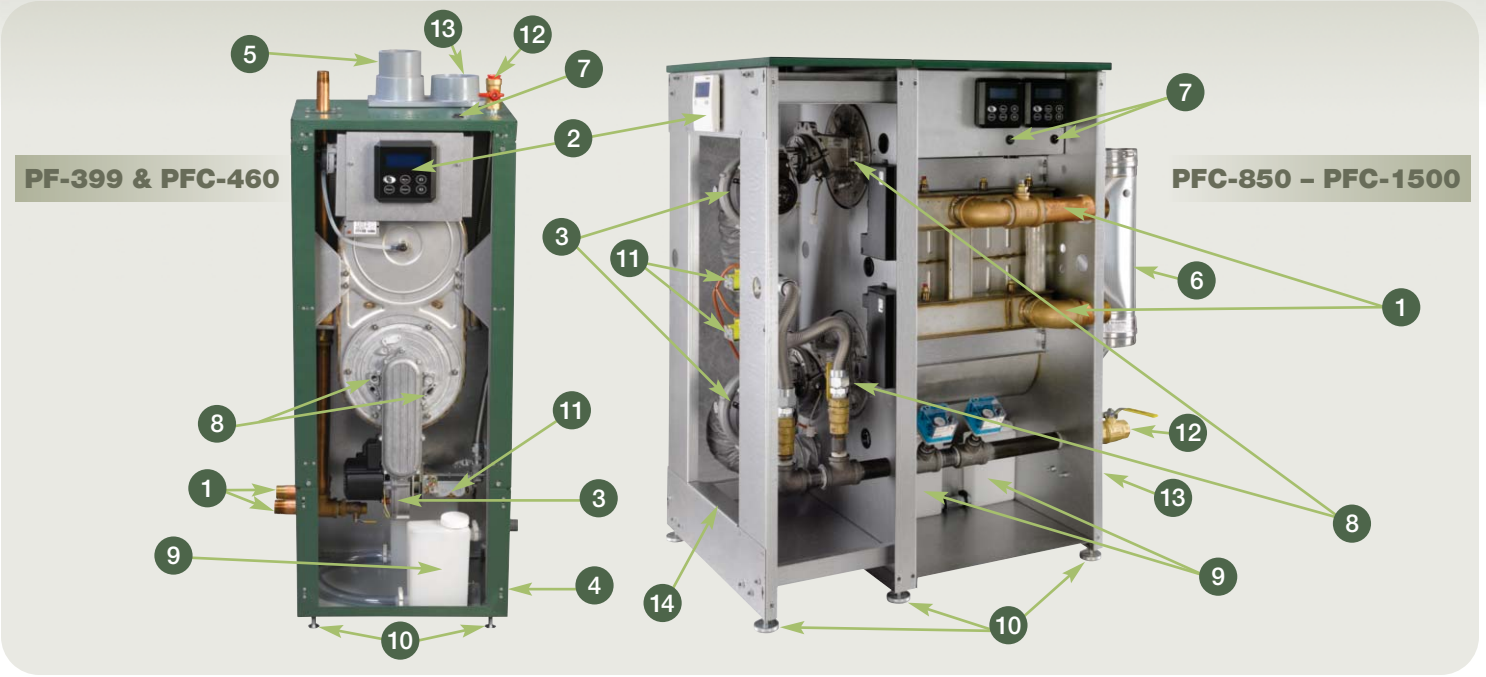
**Now Available –  
PF to PFW  
Conversion Kit!**

Turn the PF-399 into a PFW-399 large volume, hot water supply boiler with our new simple conversion kit! See your local dealer for more information.



- 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

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

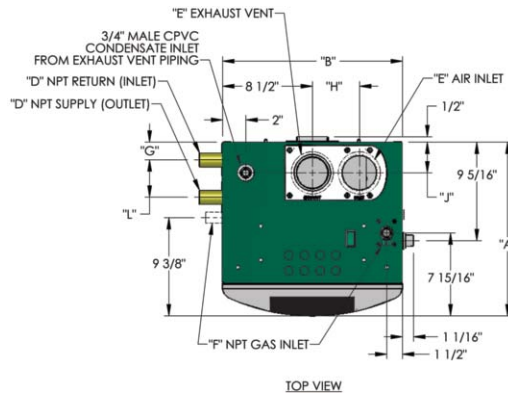




# Technical Information

## Carton Dimensions & Shipping Weights

Boiler Model Number	Length	Width	Height	Approximate 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



## Dimensions

Boiler Model Number	Dimensions										
	A	B	C	D	E	F	G	H	J	K	L
PF-399	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-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	36-1/4"	26-1/2"	46"	2"	6"	1-1/4"	3-3/4"	4-1/8"	-	-	-
PFC-1000	39-1/8"	26-1/2"	46"	2"	6"	1-1/4"	3-3/4"	4-1/8"	-	-	-
PFC-1500	60-3/4"	26-1/2"	46"	2-1/2"	7"	1-1/2"	8-1/2"	5-1/2"	-	-	-

## Boiler Ratings

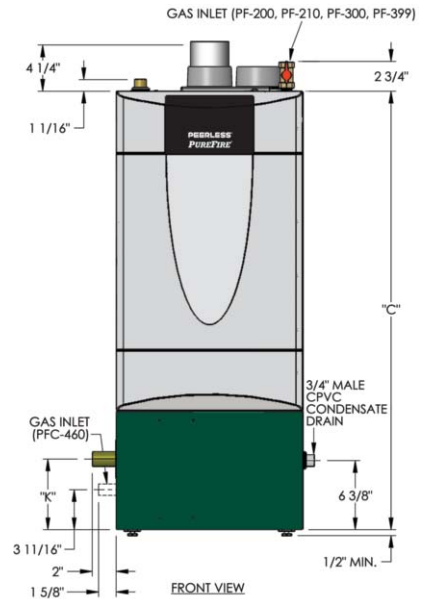
### PUREFIRE® Gas Series



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%

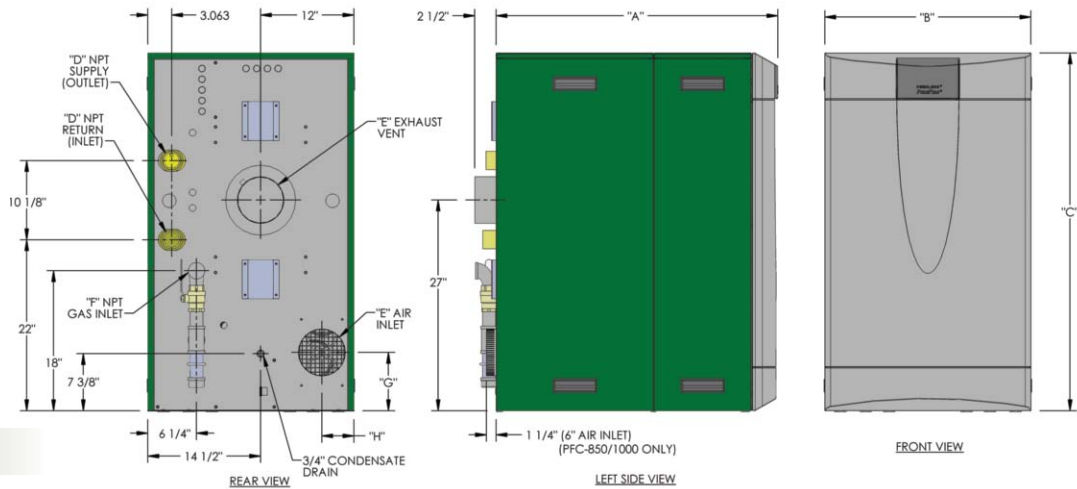
Note: Consult factory before selecting a boiler for installations having unusual piping and pickup requirements, such as intermittent system operation, extensive piping systems, etc.

- 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.



## PF-399 & PFC-460

## PFC-850 - PFC-1500



### 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



PeerlessBoilers.com