

PEERLESS[®] PUREFIRE[®]

Gas Boilers

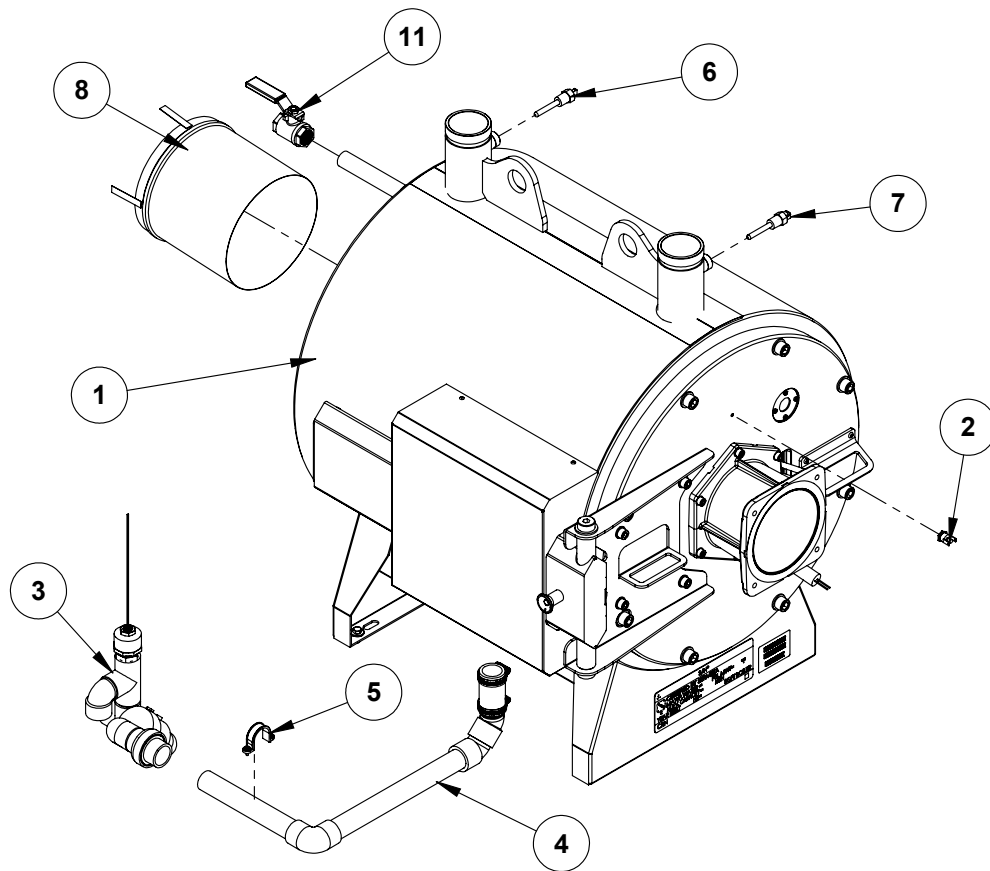
PFC-2000, PFC-2500, PFC-3000, PFC-3500, PFC-4000



Repair Parts Manual



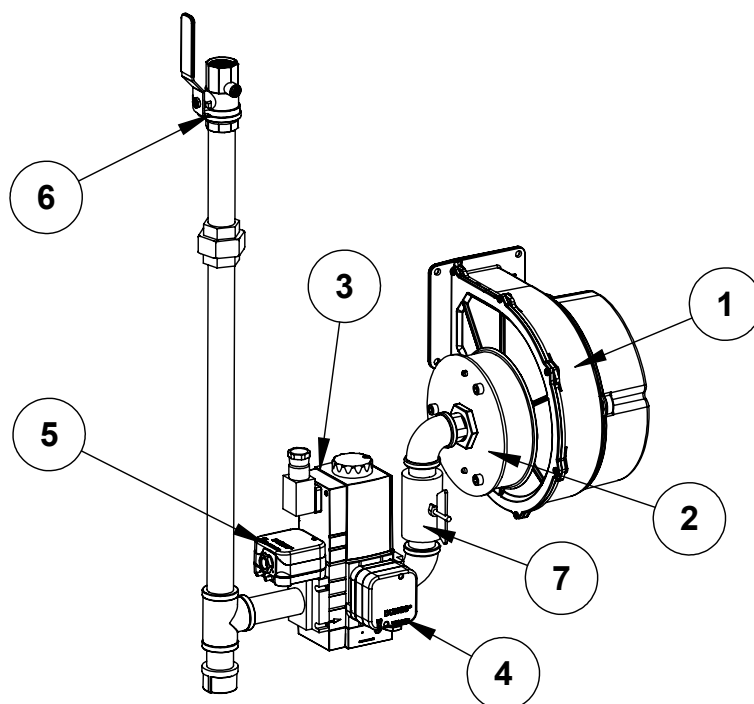
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**Table 1: PFC Heat Exchanger Assembly Part Numbers**

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Heat Exchanger	92102	92103		92104	
2	Thermal Fuse	92106				
3	Condensate Trap	92107				
4	Condensate Drain line	92109	92110			
5	Condensate Clamp	92111				
6	Inlet Temp. Sensor	92112				
7	Outlet Temp. Sensor	92113				
8	Vent Adapter	92114	92115		92116	
9	Stack Temp Sensor	92117				
10	Air pres. line connector	92118 (Lock Nut, Bras), 92119 (Male Comp.)				
11	Drain Valve	92120				

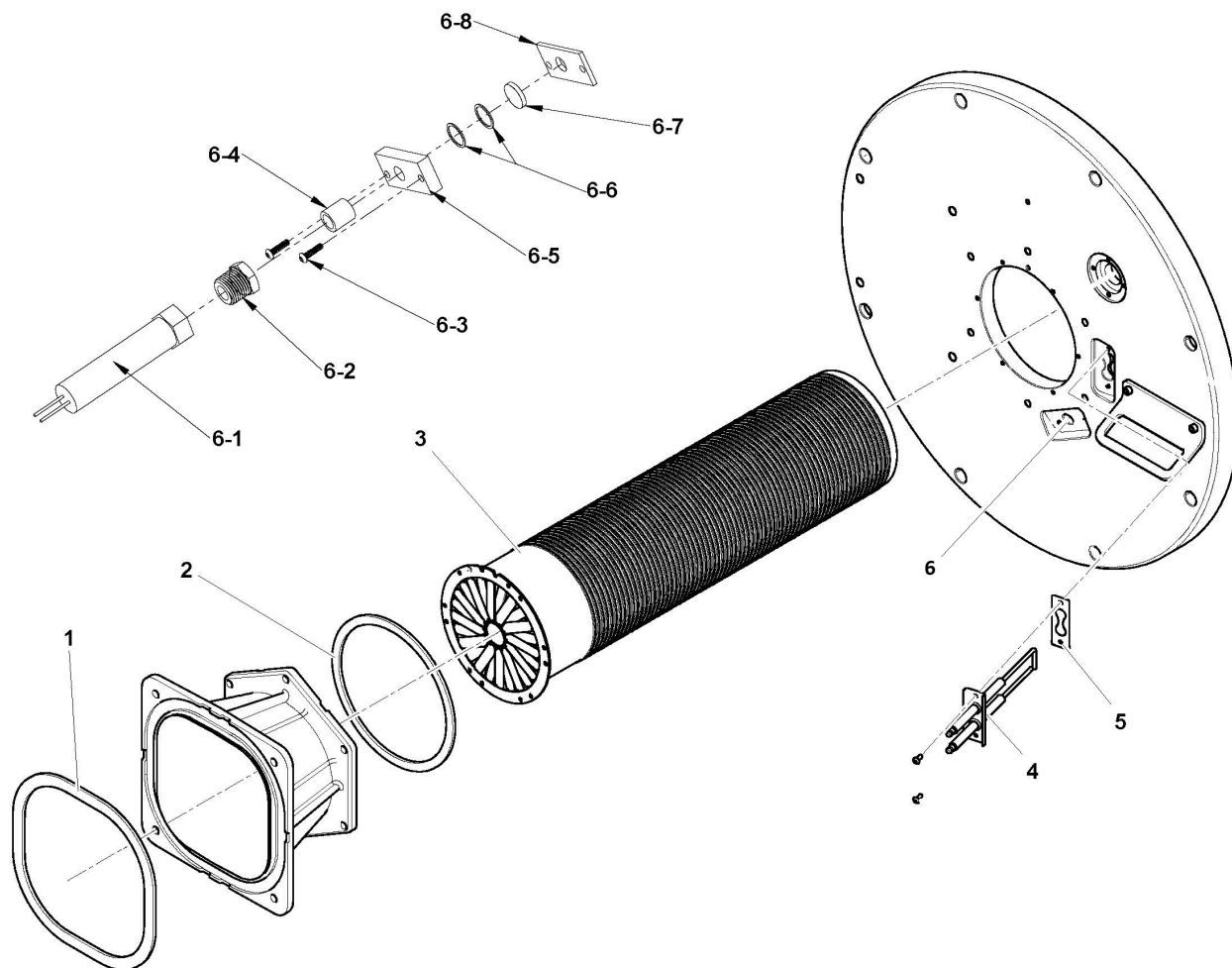
NOTICE

The replacement parts noted in this manual are for a standard PFC series appliance. Different features or components may have been supplied based on the requests of the customer. Consult PB Heat, LLC for repair parts on non-standard controls and components.

**Table 2: PFC Gas Train Part Numbers**

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Combustion Blower, Standard	120-240V, 1ph: 92122		208-240V, 1/3ph: 92123 (as 3ph)	380-480V, 3ph: 92124	
	Combustion Blower, Optional	208-240V, 1/3ph: 92123 380-480V, 3ph: 92124				
2	Swirl Plate Kit	92125			92126	
3	Gas Valve	92127				
4	High Gas Pres. SW	92130				
5	Low Gas Pres. SW	92131				
6	Main Shutoff Valve	92132	92133		92134	
7	Secondary Shutoff	92135			92136	
*	Air Proving SW Line	92139				

* Not shown in the drawing

**Table 3: PFC Burner Door Assembly Part Numbers**

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Fan Gasket	92143				
2	Burner Gasket	92144				
3	Burner	92146	92147			
4	Ignition Electrode	92148				
5	Ignition Gasket	92149				
6	UV Scanner Assembly	92150				
7*	Observation Port Glass	92151				
8*	Observation Port Gasket	92152				

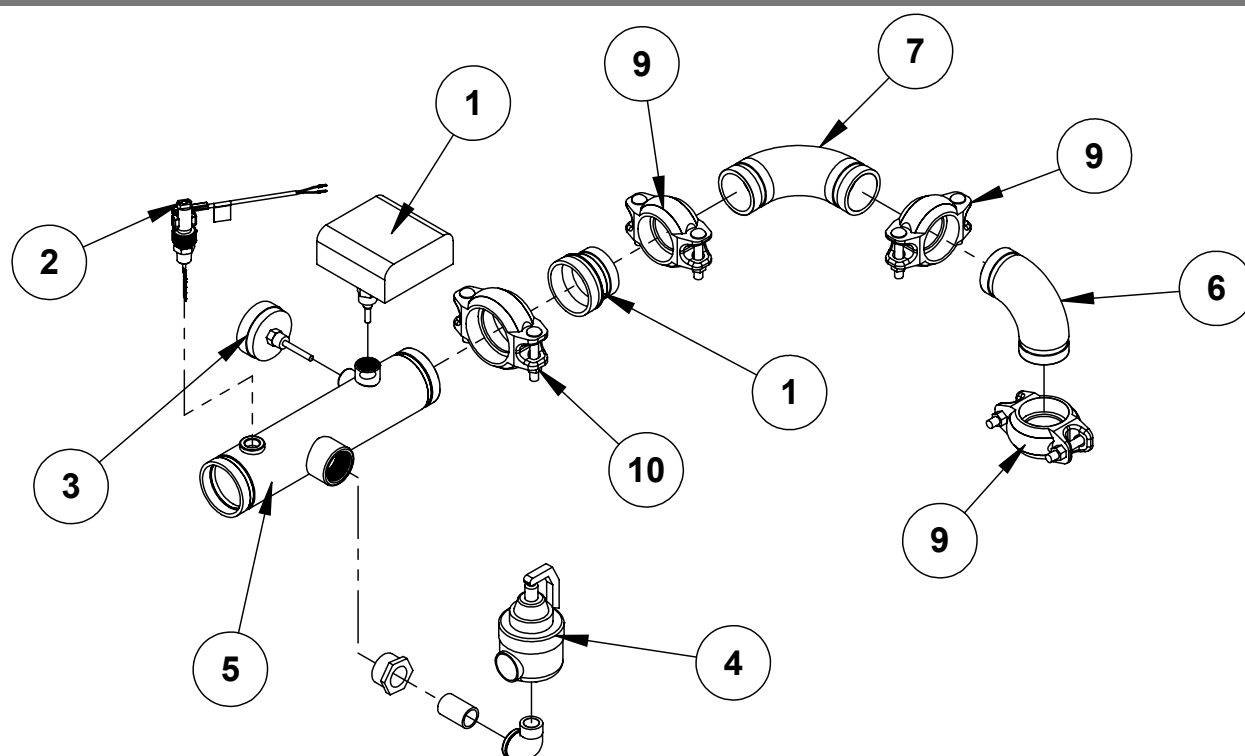
* Not labeled in drawing

Table 4: PFC Electronics and Controls Part Numbers

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Main Boiler Control			92168		
3	On/Off switch			92169		
4	Power Supply, 24VDC			92170		
5	24 VAC Transformer			92171		
6	Line Voltage PCB-01			92172		
7	Field Device PCB-02			92175		
8	Limits PCB-03			92176		
9	Sensors PCB-04			92178		
10	EMS PCB-05			92179		
11	Comm. PCB-06			92180		
12	Ignition Transformer			92142		
13	Ignition Cable Assy.			92153		
14	Air Proving SW			92138		
15	Blocked Vent SW			92140		
16	Blocked Vent SW Line			92141		

Table 5: PFC Wire Harness Part Numbers

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
7	Display, Low Voltage			92128		
9	Wire Harness Set			92129		

**Table 6: PFC Heating Boiler Outlet Manifold Part Numbers**

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Low Water Cut-Off (LWCO)	(Check Local Supplier)				
2	Water Flow SW	92121 (Includes 1" and 1/2" adapter)				
3	Temp/Pres. Gauge					
	For relief valves of 30, 50, or 60 psi	1774				
	For relief valves of 75, 100, or 125 psi (standard)	92191				
	For 150 psi relief valve	55846				
4	Relief Valve					
	30 psi	51302		51303		51304
	50 psi	51306	51307			
	60 psi	92286		50190		
	75 psi	92287			10-606-15	
	100 psi (Standard)	92288		92289		
	125 psi	92290			92291	
	150 psi	92292				92293
5	Water Manifold	92192	92193			
6	Short Radius Elbow	92194	92195			
7	Long Radius Elbow	92196	-			
8	Support Bracket	92197	92198			
9	Coupling 1	92199	92200			
10	Coupling 2	92203	-			
11	Concentric Reducer	92204	-			

PFC Jacket Panels, Gaskets and Trim Rings

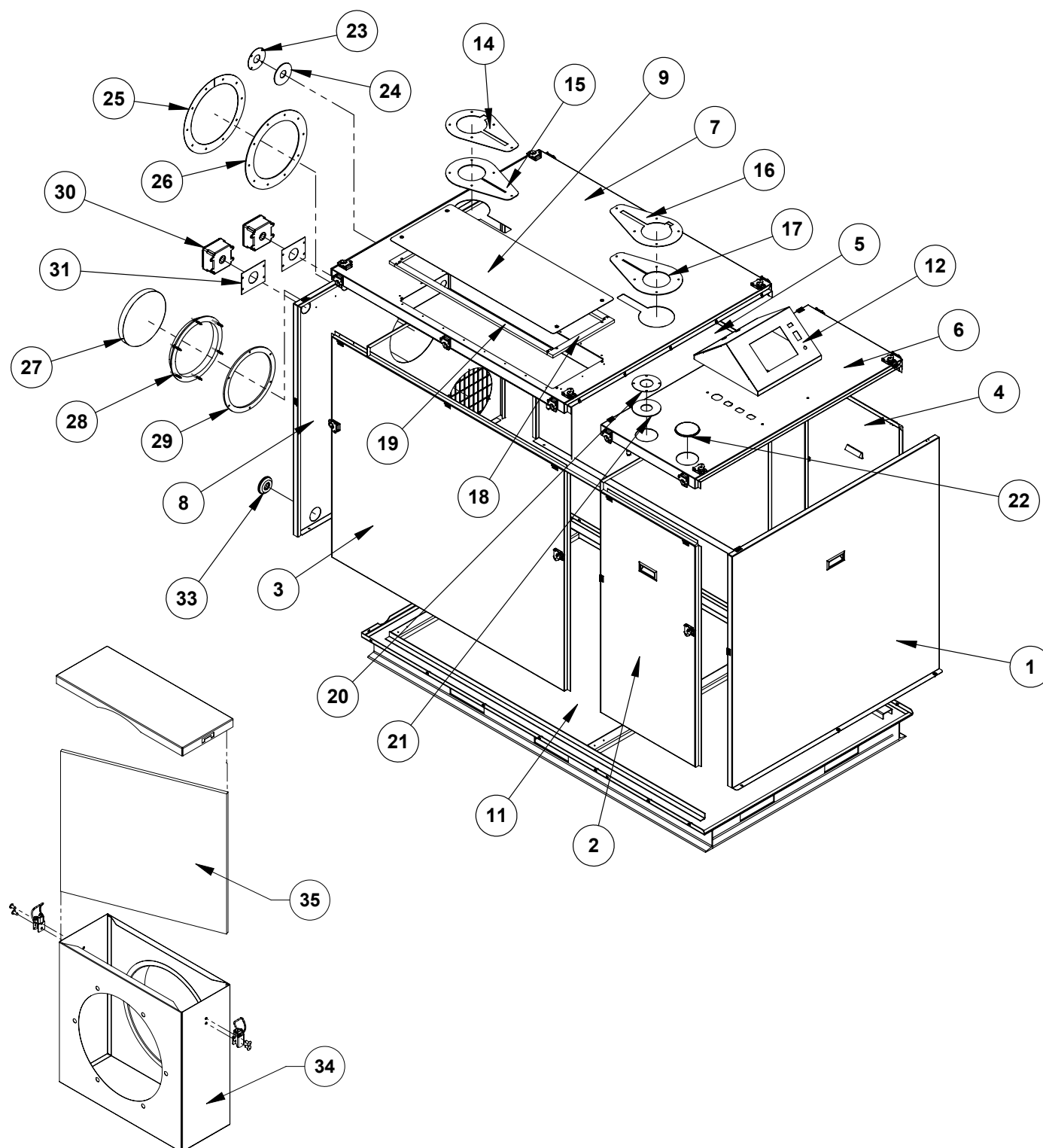


Table 7: PFC Jacket and Gasket Part Numbers

Item No.	Descriptions	PFC Model Size				
		2000	2500	3000	3500	4000
1	Front Jkt. Panel	92207	92208			
2	Front Left Jkt. Panel	92209	92210		92211	
3	Back Left Jkt. Panel	92212	92216		92217	
4	Front Right Jkt. Panel	92218	92219		92220	
5	Back Right Jkt. Panel	92221	92222		92223	
6	Front Top Panel	92224	92225		92226	
7	Back Top Panel	92227	92228		92229	
8	Rear Panel	92230	92231		92232	
9	Control Box Cover	92233				
11	Base Assembly	92234	92235		92236	
12	Display Box	92237				
13**	Latch Assembly	92238 (latch), 92239 (keeper)				
14	Inlet Trim Plate	92240	92241			
15	Inlet Gasket	92242	92243			
16	Outlet Trim Plate	92244	92245			
17	Outlet Gasket	92105	92246			
18	Short Control Box gasket	92247				
19	Long Control Box Gasket	92248				
21	Gas Inlet Gasket	92252	92253		92254	
22	Gas Inlet Plug	92255	92256			
24	Drain Trim Gasket	92258				
26	Stack Trim Gasket	92263	92264		92265	
29	Air Inlet Ring Gasket	92275	92276		92277	
30	Junction Box	92281				
31	Junction Box Gasket	92282				
32**	208V+ Junction Box	92283 (1ph) or 92284 (3ph)				
33	Condensate Grommet	92285				
34†	Air Box and Lid Assembly	92278	92279		92280	
35†	Washable Air Filter	92269			92270	

**Not shown in drawing.

† Items 35 and 34 replaced items 27 and 28.

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PFC-3500, PFC-4000*

Repair Parts Manual

TO THE INSTALLER:

*This manual is the property of the owner and must be
affixed near the boiler for future reference.*

TO THE OWNER:

*This boiler should be inspected annually by a
Qualified Service Agency.*



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PB HEAT, LLC

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