

88 Series 1 & 2 Section Assembly

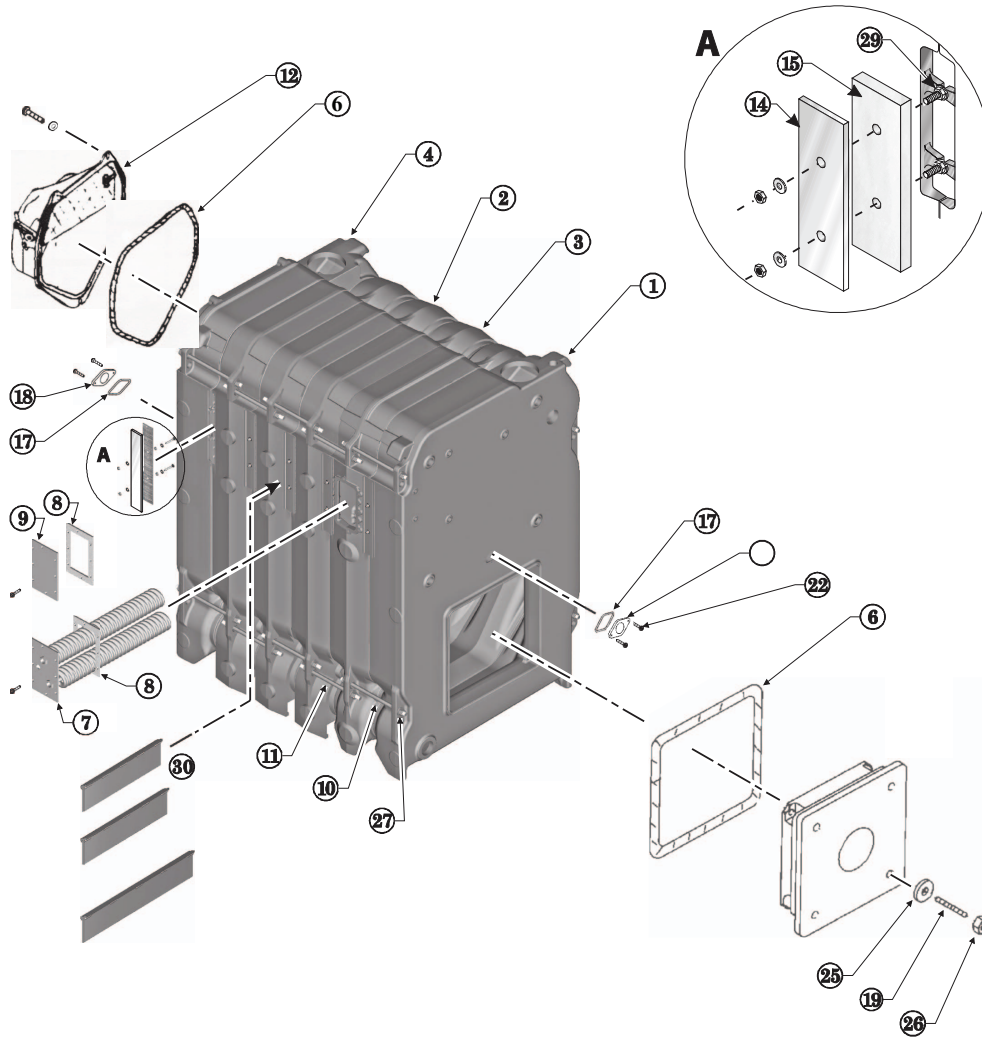


Fig. No.	Part. No.	Description	Notes	Series
1	316-301-210	Front Section – 8823 – 80 PSI	■	1 & 2
2	316-301-212	Regular Intermediate Section – 8825 – 80 PSI	■	1 & 2
3	316-301-214	Tankless Intermediate Section – 8826 – PSI	■	1 & 2
4	316-301-211	Back Section – 8828 – 80 PSI	■	1 & 2
	316-301-213	Supply Intermediate Section with 5" N.P.T. supply outlet tapping – 8824 – 80 PSI	■	1 & 2
	386-300-213	86/88 Section Replacement Kit (Includes: Rope, Seals, Sealant, Rope Adhesive)		1 & 2
11	560-134-495	5/8" x 11" Draw rod without nut (4 per joint) Int. to Int.		1
10	560-134-505	5/8" x 13" Draw rod without nut (4 per joint), (Ft. Or Bk. To Int. S1) All Series 2		1 & 2
27	561-928-224	5/8" – 11 nut HEX (2 per draw rod)		1 & 2
	562-248-710	5/8" Washer (1 per draw rod)		1 & 2
6	590-735-140	Rope fiberglass .50 diameter x 10' per joint		1 & 2
	590-735-145	1/8" Dia. Wick (1 for damper locking plate) Type FS 125		1 & 2
17	590-735-150	3/8" Dia. Sealing rope (1' per observation port) Type MD-375		1 & 2
	591-638-851	Silicone Sealant RTV700, 3 oz.		1 & 2

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	591-641-850	Construction adhesive for Sealing Rope, 11 oz.		1 & 2
	591-706-214	Flue Brush, 123 DMG	■	1 & 2
	592-800-005	Square Cut Seal, 9" (1 per joint)		1 & 2
	592-800-007	Square Cut Seal, 6" (1 per joint)		1 & 2
12	340-004-606	Flue Collar Assembly, 10" (Includes: Flue Collar, Damper, Damper Quadrant, Locking Plate, Swivel and Brackets) (488-688)		1 & 2
	340-004-607	Flue Collar Assembly, 12" (Includes: Flue Collar, Damper, Damper Quadrant, Locking Plate, Swivel and Brackets) (788-888)		1 & 2
	340-004-608	Flue Collar Assembly 14" (Includes: Flue Collar, Damper, Damper Quadrant, Locking Plate, Swivel and Brackets) (988-1388)		1 & 2
	340-004-609	Flue Collar Assembly, 16" (Includes: Flue Collar, Damper, Damper Quadrant, Locking Plate, Swivel and Brackets) (1488-1688)		1 & 2
	340-004-612	Flue Collar Assembly, 18" (Includes: Flue Collar, Damper, Damper Quadrant, Locking Plate, Swivel and Brackets) (1788-1888)		1 & 2
	330-056-634	Quadrant for flue collar		1 & 2
	460-003-646	Damper Blade for flue collar		1 & 2
	563-530-784	Damper Locking Plate for flue collar		1 & 2
17 18 22	385-600-099	Observation Port Assembly (Includes: Frame, Sealing Rope, Plugs and Sight Glass)		1 & 2
	590-317-580	Washer for sight glass, 2 1/8" x 1 1/4" x 1/8"		1 & 2
	591-419-199	Sight Glass, 2" round x 1/8"		1 & 2
9	450-030-934	Cover Plate for heater opening (Rectangular)		1 & 2
8	590-317-579	Gasket for Heater Cover Plate (Rectangular)		1 & 2
14	450-030-965	Cleanout Plate		2
15	590-317-305	Woven Fiberglass Gasket for cleanout plate		2
30	416-400-131	2-Flueway Kit (Includes: 2 Sets of Bars)	■	2
29	Available Locally	Cleanout Bolts and Nuts, (2 per cleanout) 1/4" 20 1.75 zinc plated, carriage bolts, 1/4" plain washer, 1/4" – 20 HEX nut		1 & 2
	386-300-211	88 Combustion Chamber Kit	■	1 & 2
	560-340-577	3/8" x 1 1/8" stud & nut for heater cover plate		1 & 2
	591-632-612	Waterglass (4oz. bottle)		1 & 2
	562-248-744	Grommet Jacket Observation Port		2

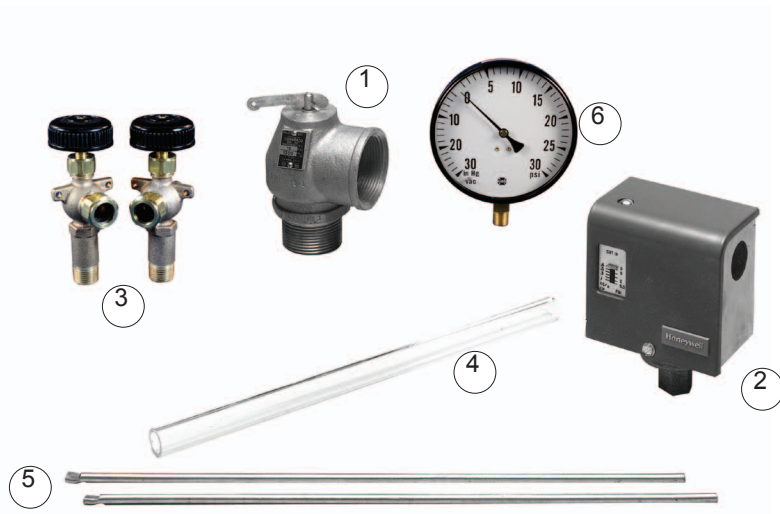
■ Indicated current TPS R/C Product

88 Series 1 & 2 Water Trim



Fig. No.	Part No.	Description	Mfr.	Mfr's Part No.	Boiler Size	Series
1	511-546-930	ASME Pressure Relief Valve, Set to Relieve at 30 PSIG, 1" Inlet x 1 1/4" Brass, Side Outlet	Watts	7404	5	1 & 2
	511-546-935	ASME Pressure Relief Valve, Set to Relieve at 30 PSIG, 1-1/4" Inlet x 1 1/2" Brass Side Outlet	Watts	740	6 – 8	1 & 2
	511-546-940	ASME Pressure Relief Valve, Set to Relieve at 30 PSIG, 1-1/2" Inlet x 2" Brass, Side Outlet	Watts	740	9 – 11	1 & 2
	511-546-945	ASME Pressure Relief Valve, Set to Relieve at 30 PSIG, 2" Inlet x 2-1/2" Brass, Side Outlet	Watts	740	12 – 18	1 & 2
2	510-312-065	Combination High Limit/Low Limit Control with Well High Limit: 130-240° F Low Limit: 115-240° F	Honeywell	L4081A1189	All Sizes	1
			White-Rogers	11C30-3	All Sizes	1
4	510-312-090	Combination operating limit and manual reset high limit	Carlin	90000CEL	All Sizes	2
3	510-218-065	Combination pressure-temperature gauge, 0-55 psig, 60-260° F, back connection, 1/2" NPT, 2 1/2" shank	ENFM	4104-3.25	All Sizes	1
NS			Amekai	OS234-JDTA-003	All Sizes	1
6	510-218-080	Combination pressure-temperature gauge, 0-200 psig, 60-260° F, back connection, 1/2" NPT 3 1/4" shank	ENFM	4104	All Sizes	2
NS	510-218-099	Combination pressure-temperature gauge, 0-55 psig, 60-260° F, back connection, 1/2" NPT 2 1/2" shank	Amekai	OS234-JDTW-003	All Sizes	1
	590-921-909	Tankless Heater – (Includes: Heater, Gasket, Nuts and Studs)	Heat Controller	820		1 & 2
	560-340-577	Stud 3/8-16" NC-2A x 1.12 Long with 3/8-16" NC brass nut				
	590-317-550	Gasket Tankless Heater Cover Plate 5.25 x 10.00				

88 Series 1 & 2 Steam Trim



88 Series 1	4-5	1 1/4 x 1 1/2	1,200	1	511-548-051
	6-7	1 1/2 x 2	1,900	1	511-548-052
	8-10	2 x 2	2,500	1	511-548-056
	11	1 x 1	643	1	511-548-046
		2 x 2	2,500	1	511-548-056
	12-14	1 1/4 x 1 1/2	1,200	1	511-548-051
		2 x 2	2,500	1	511-548-056
88 Series 2	15-18	2 x 2	5,000	2	511-548-056
	4-5	1 1/4 x 1 1/2	1,200	1	511-548-051
	6-7	1 1/2 x 2	1,900	1	511-548-052
	8-9	2 x 2	2,500	1	511-548-056
	10R,	2 x 2	2,500	1	511-548-056
	10-11	1 x 1	643	1	511-548-046
	12-14	1 1/2 x 2	1,900	1	511-548-052
		2 x 2	2,500	1	511-548-056
	15-18	2 x 2	5,000	2	511-548-056

Fig. No.	Part No.	Description	Mfr.	Mfr.'s Part No.	Boiler Size
1	511-548-046	Steam Safety Valve, 1" N.P.T. Inlet, Side Outlet, 643 lbs/hr. Capacity, Brass. See chart above.	Conbraco	13-202-08	11
1	511-548-051	Steam Safety Valve, 1 1/4" N.P.T. Inlet, Side Outlet, 1,200 lbs/hr. Capacity, Brass. See chart above.	Conbraco	13-213-08	4 – 512 – 14
1	511-548-052	Steam Safety Valve, 1 1/2 " N.P.T. Inlet, Side Outlet, 1,900 lbs/hr. Capacity Brass. See chart above.	Conbraco	13-214-08	6 – 7
1	511-548-056	Steam Safety Valve, 2" N.P.T. Inlet, Side Outlet, 2,500 lbs/hr. Capacity Brass (See chart above)	Conbraco	13-205-08	(1 required) 8-14 (2 required) 15-18
2	510-312-135	High Pressure Limit, Operating Range: 0-9 PSIG Differential: 0-5 PSIG	Honeywell	PA404A-1009	(2 required) All Sizes
2	510-312-135	High Pressure Limit, Operating Range: 0-9 PSIG Differential: 0-5 PSIG	Johnson Controls	P47EA-3D	(2 required) All Sizes
3	510-218-145	Water Gauge Glass Cocks, Set of 2 1/2" N.P.T. Male Inlet	Conbraco	21-205-03-W	All Sizes
4	383-600-002	Water Gauge Glass Kit (Includes: Glass, Gaskets, and Brass Washers)	Weil-McLain		All Sizes
5	563-334-595	Gauge Glass Guard 12 1/2" Long x 3/16" Dia	Weil-McLain		(2 required) All Sizes
6	510-218-100	Combination Pressure-Vacuum Gauge, 0-30 PSIG, 0-30" High 4 1/2" Dial, Bottom Connection, 1/4" N.P.T.	Ametek	USC500-5549	All Sizes
	590-921-909	Tankless Heater (Includes: Heater, Gasket, Nuts and Studs)	Heat Controller	820	
	560-340-577	Stud 3/8-16" NC-2A x 1.12 Long with 3/8-16" NC brass nut			
	590-317-550	Gasket Tankless Heater Cover Plate 5.25 x 10.00			