

EGH Section and Base Assembly Series 4

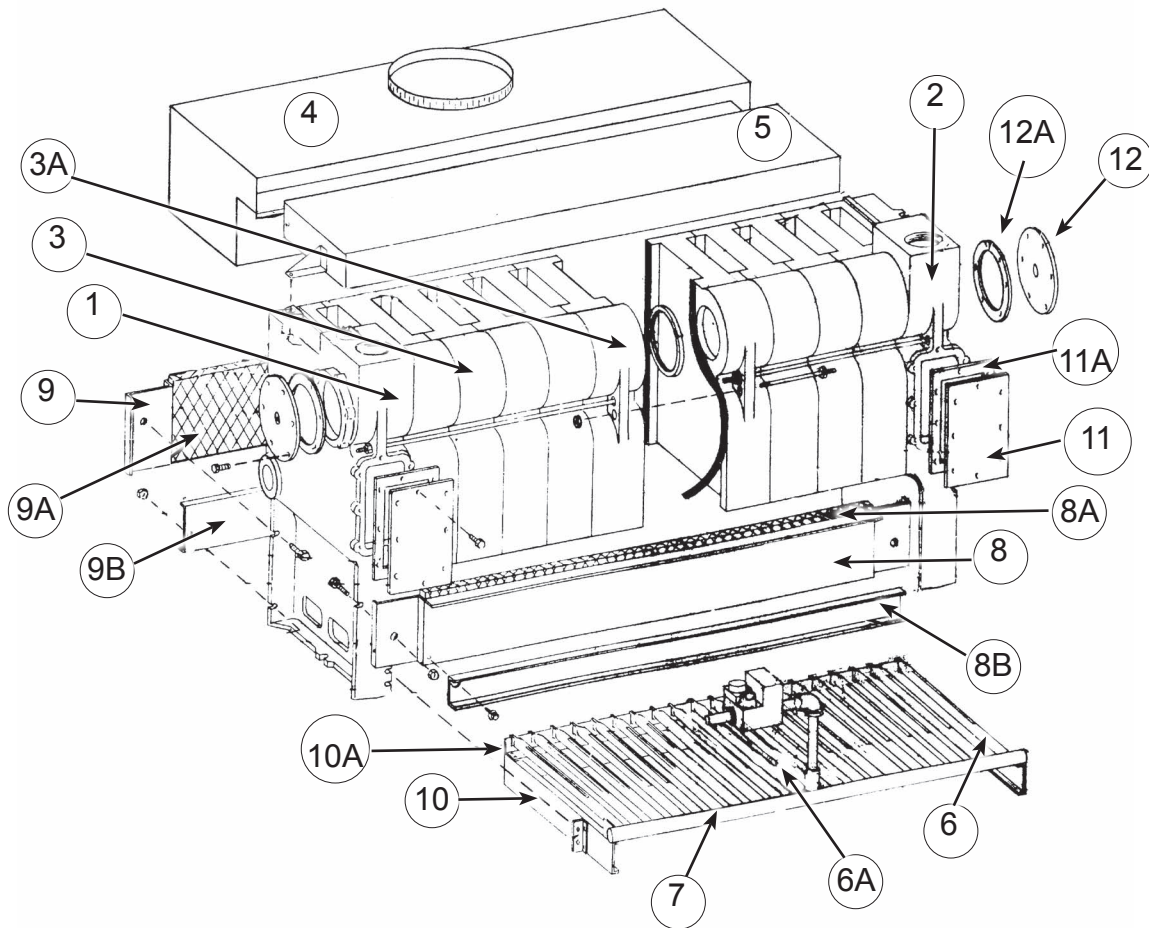


Fig. No.	Part No.	Description	Boiler Series
1	311-800-014	Left Hand End Section with Heater Opening	1, 2, 3, 4
NS	311-800-007	Left Hand End Section without Heater Opening	1, 2, 3, 4
2	311-800-022	Right Hand End Section with Heater Opening 1819	1, 2, 3, 4
NS	311-800-032	Right Hand End Section without Heater Opening 18118	1, 2, 3, 4
3	311-800-010	Intermediate Section 1815	1, 2, 3, 4
3A	311-800-026	Intermediate Section with Tie Rod Lugs 1817	1, 2, 3, 4
NS	321-711-100	Section Assembly, Complete: EGH-85 with heater opening	1, 2, 3, 4
NS	321-711-105	Section Assembly, Complete: EGH-85 without heater opening	1, 2, 3, 4
NS	321-711-110	Section Assembly, Complete: EGH-95 with heater opening	1, 2, 3, 4
NS	321-711-115	Section Assembly, Complete: EGH-95 without heater opening	1, 2, 3, 4
NS	321-711-120	Section Assembly, Complete: EGH-105 with heater opening	1, 2, 3, 4
NS	321-711-125	Section Assembly, Complete: EGH-105 without heater opening	1, 2, 3, 4
NS	321-711-130	Section Assembly, Complete: EGH-115 with heater opening	1, 2, 3, 4

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NS	321-711-135	Section Assembly, Complete: EGH-115 without heater opening	1, 2, 3, 4
NS	321-711-140	Section Assembly, Complete: EGH-125 with heater opening	1, 2, 3, 4
NS	321-711-145	Section Assembly, Complete: EGH-125 without heater opening	1, 2, 3, 4
NS	381-800-667	Section Replacement Kit (Includes: (1) 3" and 6" Elastomer seal, 1/4" rope seal) Order 1 per joint between sections	1, 2, 3, 4
NS	592-800-010	3" Dia. Bottom Elastomer Seal (1 per joint)	1, 2, 3, 4
NS	592-800-007	6" Dia. Top Elastomer Seal (1 per joint)	1, 2, 3, 4
NS	590-735-122	Sealer for Sections (1/4" rope – 4' per joint) 22.75" need 3 qty.	1, 2, 3, 4
NS	560-234-465	1/2" x 7" Tie Rod without nut (2 per boiler)	1, 2, 3, 4
NS	560-234-472	1/2" x 17" Tie Rod without nut ((4) for EHG-85, (2) for EHG-95)	1, 2, 3, 4
NS	560-234-477	1/2" x 21 1/4" Tie Rod without nut ((2) for EGH-95, EGH-115; (4) for EGH-105)	1, 2, 3, 4
NS	560-234-482	1/2" x 25 1/4" Tie Rod without nut ((2) for EGH-115, (4) for EGH-125)	1, 2, 3, 4
NS	561-928-221	1/2"Nut (2 per Tie Rod)	1, 2, 3, 4
NS	562-248-668	1/2" Lock washer (1 per Tie Rod)	1, 2, 3, 4
NS	591-602-913	Retort cement (1 quart)	1, 2, 3, 4
NS	591-706-214	Flue brush, 124 DMG	1, 2, 3, 4
4	450-206-240	Draft Hood: EGH-85	1, 2, 3, 4
	450-206-241	Draft Hood: EGH-95	1, 2, 3, 4
	450-206-242	Draft Hood: EGH-105	1, 2, 3, 4
	450-206-243	Draft Hood: EGH-115	1, 2, 3, 4
	450-206-244	Draft Hood: EGH-125	1, 2, 3, 4
5	450-014-750	Collector Hood: EGH-85	1, 2, 3, 4
	450-014-751	Collector Hood: EGH-95	1, 2, 3, 4
	450-014-752	Collector Hood: EGH-105	1, 2, 3, 4
	450-014-753	Collector Hood: EGH-115	1, 2, 3, 4
	450-014-754	Collector Hood: EGH-125	1, 2, 3, 4
6	512-200-000	Burner, Stainless Tube, Regular (note 2)	1, 2, 3, 4
6A	512-200-001	Burner, Stainless Tube with Pilot Bracket (note 2)	1, 2, 3, 4
7	591-125-543	Manifold: EGH-85	1, 2, 3, 4
	591-125-544	Manifold: EGH-95	1, 2, 3, 4
	591-125-545	Manifold: EGH-105	1, 2, 3, 4
	591-125-546	Manifold: EGH-115	1, 2, 3, 4
	591-125-547	Manifold: EGH-125	1, 2, 3, 4
8		Front Base panel: (In Base panel carton)	1, 2, 3, 4
8A		Front Base Insulation (In Base carton)	
8B		Base front access panel: (In Base panel carton)	1, 2, 3, 4
9		Back Base panel: (In Base panel carton)	1, 2, 3, 4
9A		Back Base Insulation (In Base carton)	
9B		Back Base channel: (In Base panel carton)	1, 2, 3, 4
10	451-800-070	Side Rail for Burner Pan with bracket for burner pan (2 required)	1, 2, 3, 4

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10A	451-800-095	Back Burner Support: EGH-85	1, 2, 3, 4
	451-800-096	Back Burner Support: EGH-95	1, 2, 3, 4
	451-800-097	Back Burner Support: EGH-105	1, 2, 3, 4
	451-800-098	Back Burner Support: EGH-115	1, 2, 3, 4
	451-800-099	Back Burner Support: EGH-125	1, 2, 3, 4
NS	381-700-240	Base Panel Carton – EGH-85 (Includes: Front Base Insulation, Front Base Panel, Base Front Access Panel, Back Base Insulation, Back Base Panel and Back Base Channel)	2, 3, 4
NS	381-700-245	Base Panel Carton – EGH-95 (Includes: Front Base Insulation, Front Base Panel, Base Front Access Panel, Back Base Insulation, Back Base Panel and Back Base channel)	2, 3, 4
NS	381-700-250	Base Panel Carton – EGH-105 (Includes: Front Base Insulation, Front Base Panel, Base Front Access Panel, Back Base Insulation, Back Base Panel and Back Base Channel)	2, 3, 4
NS	381-700-255	Base Panel Carton – EGH-115 (Includes: Front Base Insulation, Front Base Panel, Base Front Access Panel, Back Base Insulation, Back Base Panel and Back Base Channel)	2, 3, 4
NS	381-700-260	Base Panel Carton – EGH-125 (Includes: Front Base Insulation, Front Base Panel, Base Front Access Panel, Back Base Insulation, Back Base Panel and Back Base Channel)	2, 3, 4
11	389-900-103	Rectangular Tankless Cover Plate Kit with 8 studs and nuts and tankless gasket	1, 2, 3, 4
11A	590-317-579	Gasket for Cover Plate (rectangular)	1, 2, 3, 4
12	389-900-101	Cover Plate For Heater Opening (round) Includes 6 studs, nuts and gasket	1, 2, 3, 4
12A	590-317-495	Gasket for cover plate (round)	1, 2, 3, 4
NS	451-800-120	Burner Shields (rollout): EGH-85	3, 4
NS	451-800-121	Burner Shields (rollout): EGH-95	3, 4
NS	451-800-122	Burner Shields (rollout): EGH-105	3, 4
NS	451-800-123	Burner Shields (rollout): EGH-115	3, 4
NS	451-800-124	Burner Shields (rollout): EGH-125	3, 4
NS	560-528-987	Main Burner Orifice, natural gas, 245mm (note 1)	1, 2, 3, 4
NS	560-528-988	Main Burner Orifice, propane gas, 155mm (note 1)	1, 2, 3, 4

Notes:

(1) Order sufficient quantities to replace all orifices within a base.

(2) Number of burners:

EGH-85: 13 main burners and 1 burner with pilot bracket

EGH-95: 15 main burners and 1 burner with pilot bracket

EGH-105: 17 main burners and 1 burner with pilot bracket

EGH-115: 19 main burners and 1 burner with pilot bracket

EGH-125: 21 main burners and 1 burner with pilot bracket

EGH Intermittent Ignition Series 4

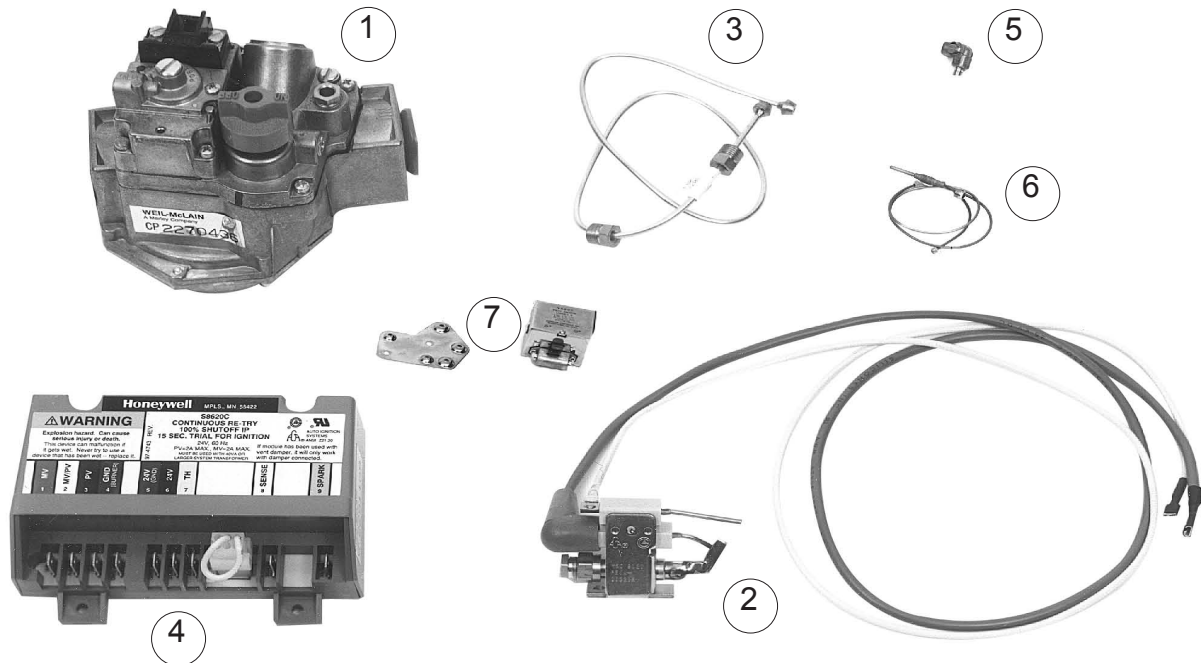


Fig. No.	Part No.	Description	Mfr	Mfr.'s Part No	EGH Series 4 Boiler Size				
					85	95	105	115	125
1	511-044-286	*Combination Gas Control Valve, 3/4" x 1"N.P.T., 24 Volt	Robertshaw	7000DERHC-S7C-5R1-501-723	X	X			
	511-044-287	*Combination Gas Control Valve, 1" x 1"N.P.T., 24 Volt	Robertshaw	7000FTHC-S7C-5N6-501-723			X	X	X
2	511-330-221	NG PIN Pilot Burner Assembly with Pilot Burner, Orifice, Sensing Lead and Ignition Cable	PSE	PSE-NA16	X	X	X	X	X
3	560-742-865	Pilot Tubing Aluminum 1/8" OD x 34" Long ,with Compression Fittings	Weil-McLain		X	X	X	X	X
4	511-330-097	Ignition Control Module without Molex 24 Volt	United Technologies	1003-611A 1003-511	X	X	X	X	X
NS	540-130-966	Wiring Harness (in Envelope Assy) for Water Boilers w/o Tankless Heater only	Weil-McLain		X	X	X	X	X
NS	540-130-969	Wiring Harness (in Envelope Assy) for Water Boilers w/ Tankless Heater only	Weil-McLain		X	X	X	X	X
NS	540-130-967	Wiring Harness (in Envelope Assy) for Steam Boilers with Float LWCO only	Weil-McLain		X	X	X	X	X
NS	540-130-968	Wiring Harness (in Envelope Assy) for Steam Boilers with Probe LWCO only	Weil-McLain		X	X	X	X	X
NS	510-811-390	Natural to Propane Conversion Kit EGH 85-95 only	Weil-McLain		X	X			
NS	510-811-391	Natural to Propane Conversion Kit EGH 105-125 only	Weil-McLain				X	X	X

*Combination gas valve Includes: manual gas cock, redundant gas valves, main pressure regulator, pilot take-off with filter, pilot adjustment

EGH Intermittent Ignition Series 4 LP Gas

Fig. No.	Part No.	Description	Mfr	Mfr.'s Part No	EGH Series 4 Boiler Size				
					85	95	105	115	125
NS	511-246-320	¾" Hand Valve with 1/8" tapping	Conbraco		X	X			
NS	511-.426-325	1" Hand Valve with 1/8" tapping	Conbraco				X	X	X
1	511-044-278	LP Gas Valve, ¾" x 1" spark pilot	Robert Shaw	M700FTHC-S7C	X	X			
1	511-044-279	LP Gas Valve, 1" x 1" spark pilot	Robert Shaw	M700DERHC-S7C			X	X	X
2	511-330-222	LP Spark Pilot Burner (Includes: Sparker, Sensor, Wires, Pilot Tubing and Pilot Burner)	PSE	LP16	X	X	X	X	X
3	560-742-865	1/8" x 34" Pilot Tubing For Spark Pilot Burner			X	X	X	X	X
	511-330-186	LP Standing Pilot Burner (Includes: Orifice and Pilot Burner)	Honeywell	Q327A-1642	X	X	X	X	X
3	560-528-957	Propane Gas Pilot Orifice, .010 Dia. (for Q0327 pilot, below)	Honeywell	388146-KR	X	X	X	X	X
5	511-246-340	1/8" x ¼" Manual Pilot Shut Off Valve			X	X	X	X	X
6	511-724-254	Thermocouple, screw in, 30°			X	X	X	X	X
7	511-330-229	Pilot Switch Box for Standing Pilot	Johnson Controls	L626B-3C	X	X	X	X	X
EGH CSD-1 Intermittent Ignition Natural Gas Only									
	511-330-086	Control Module, 1 retry with alarm contacts	United Technologies	1003-615			X	X	X
	510-350-226	Impulse Relay	Tyco	S89R-11-ABD1-24			X	X	X
	511-624-580	Push Button Switch	Eaton	22K11810			X	X	X
	511-624-581	Red Lens Cover					X	X	X
		Lamp, 24 volt					X	X	X
	511-044-287	Combination Gas Valve, 1" x 1", 24 vac	Robert Shaw	7000DERHC-S7C			X	X	X
	511-246-290	Hand Valve, 1"					X	X	X
	511-246-325	Hand Valve, 1" with two 1/8" NPT taps					X	X	X
	511-246-339	Pilot Shut-off Valve, 1/8" NPT x 1/4" compression					X	X	X
	510-933-195	Pilot Regulator, 1/4" NPT	Maxitrol	RV20			X	X	X
	511-044-039	Pilot Solenoid Valve 1/4" NPT	Honeywell	V8046C-1014			X	X	X
	591-391-887	Wiring Harness, gravity return steam	Weil-McLain				X	X	X
	591-391-888	Wiring Harness, pumped return steam	Weil-McLain				X	X	X
	540-130-976	Steam Pump Return							

EGH 85 & 95 Standing Pilot Series 4

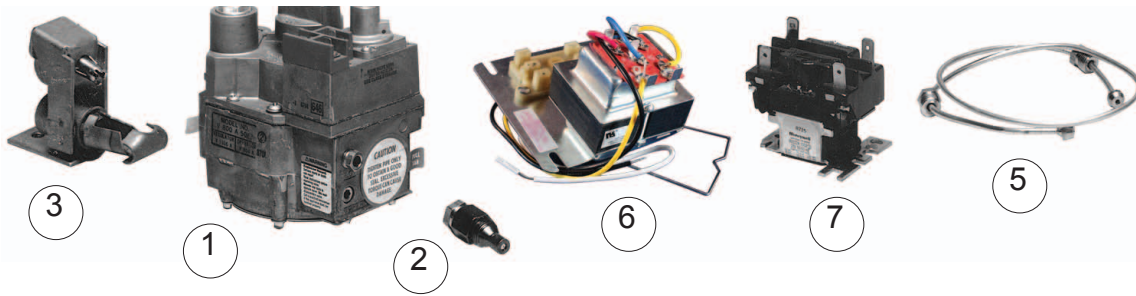


Fig. No.	Part No.	Description	Mfr	Mfr.'s Part No	Boiler Size	
					85	95
Components For Natural Gas Only						
1N	510-811-641	Combination Gas Control Valve*, ¾" x 1" N.P.T., 24 volt thermopile	Robertshaw	7000MSER-HC-S7C-5D7-501-723	X	X
2N	560-528-950	Natural Gas Pilot Orifice, .026 Dia. (for Q-327 pilot, below)	Honeywell	388146-AG	X	X
Components For Propane Gas Only						
1P	510-811-643	Combination Gas Control Valve*, ¾" x 1" N.P.T., 24 volt	Robertshaw	5D7-502-789 MSERHC-S7C	X	X
2P	560-528-957	Propane Gas Pilot Orifice, .010 Dia. (for Q-327 pilot, below)	Honeywell	388146-KR	X	X
Components For Natural Gas And Propane						
3	511-330-186	Pilot Burner, constant burning, thermally supervised	Honeywell	Q327A1642	X	X
NS	511-724-259	Thermopile, 36"	Robertshaw	RSCP-2	X	X
5	560-742-865	Pilot Tubing, aluminum 1/8" OD x 22 ¾" long with compression fittings	Weil-McLain		X	X
NS	590-850-561	5" lead wire with terminals	Weil-McLain		X	X
NS	510-811-461	Thermocouple to Thermopile Conversion Kit Natural Gas (Includes: Natural Gas Valve, Lead Wires, Thermopile and instructions)	Weil-McLain		X	X
NS	510-811-462	Thermocouple to Thermopile Conversion Kit Propane gas (Includes: LP Gas Valve, Lead Wire, Thermopile and instructions)	Weil-McLain		X	X
NS	510-811-397	Natural To Propane Conversion Kit, standing pilot only	Weil-McLain		X	X
6**	510-312-166	Combination Transformer Relay Receptacle, 120/24V, 40VA	Honeywell	R8285K1004	X	X
			White-Rogers	S84A-85	X	X
7**	510-350-223	Plug-in relay, DPST, 24 volt coil	Honeywell	R8222U1006	X	X
			White-Rogers	91-112006-11000	X	X
	540-130-963	Wiring Harness For Water Boilers without tankless heater only	Weil-McLain		x	x
	540-130-964	Wiring Harness For Steam Boilers With Float LWCO only	Weil-McLain		x	x
	540-130-965	Wiring Harness For Steam Boilers With Probe LWCO only	Weil-McLain		x	x

*Combination gas valve includes: manual gas cock, pilot operator, redundant gas valves, main press, regulator, pilot take-off with filter, pilot adjustment

**Not used on EGH water boilers with tankless heaters

EGH Common Components Series 4

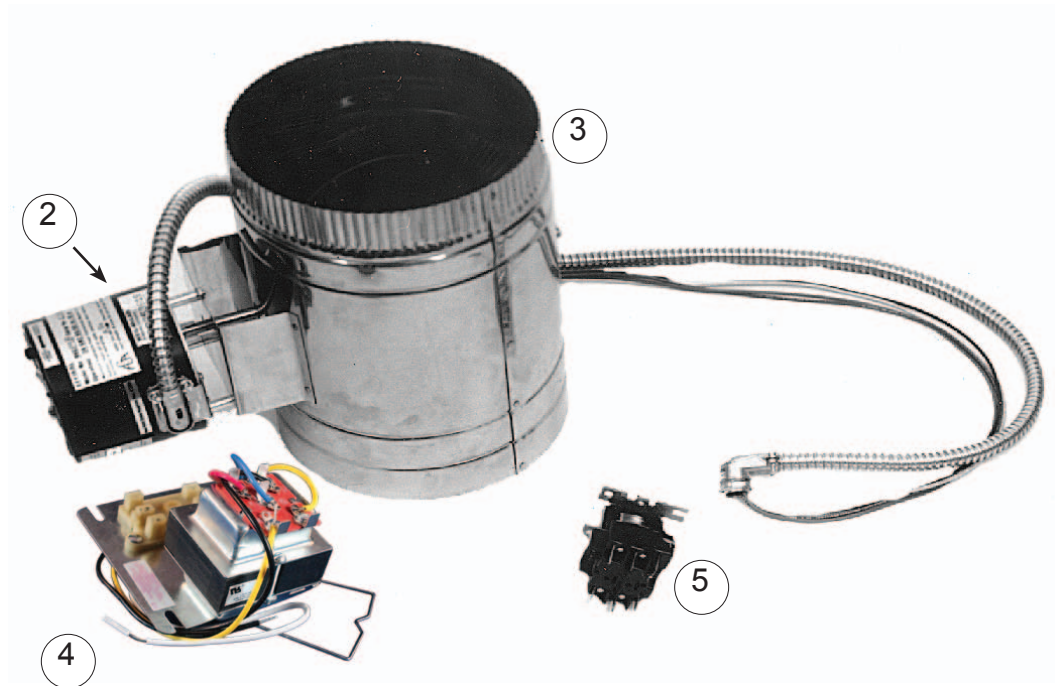


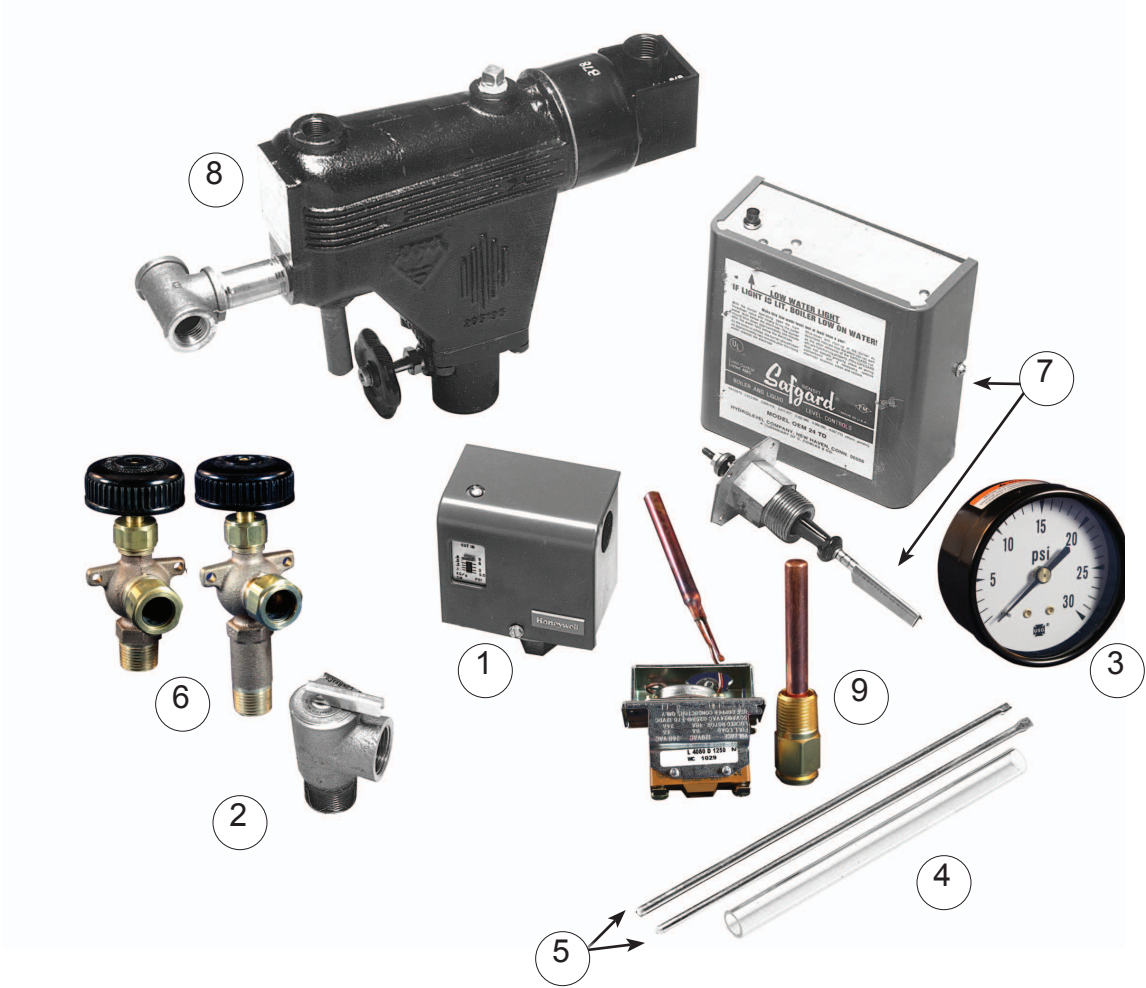
Fig. No.	Part No.	Description	Mfr.	Mfr.'s Part No.	EGH Series 4 Boiler Size				
					85	95	105	115	125
	591-381-795	Damper Wiring Harness With Molex (from controls wiring harness to damper)	Weil-McLain		x	x	x	x	
2	510-512-337	Vent Damper Motor With Molex (for use on Effikal dampers only)	Effikal	RVGP	x	x	x	x	x
3	381-800-445	Vent Damper Assembly, 9"	Effikal	RVGP-KS-9BF	x				
			Johnson	G35GM	x				
	381-800-446	Vent Damper Assembly, 10"	Effikal	RVGP-KS-10BF		x	x		
			Johnson	G35GP		x	x		
	381-800-447	Vent Damper Assembly, 12"	Effikal	RVGP-KS-12BF				x	x
			Johnson	G35GR				x	x
4	510-312-166	Combination Transformer Relay Receptacle, 120/24V, 40VA	Honeywell	R8285K1004	x	x	x	x	x
			White-Rogers	S84A-85	x	x	x	x	x
5	510-350-223	Plug-In Relay, DPST, 24 volt coil	Honeywell	R8222U1006				x	
			White-Rogers	91-112006-11000				x	

EGH Water Trim Series 4



Fig. No.	Part No.	Description	Mfr	Mfr.'s Part No	EG Series 4 Boiler Size				
					85	95	105	115	125
Temperature Controls For All EGH Standing Pilot Boilers									
1	510-312-150	Combination Operating Limit (140-240°F range) and fixed high limit (240°F temperature control, auto recycle, DPST, with ¾" well. Fixed height limit furnished with wire leads for connection to thermocouple spade terminal block	Carlin	90224	X	X			
Temperature Controls For PO and PID Boilers Without Tankless Heaters									
2	510-312-209	High Limit Temperature Controls, SPST, Auto recycle, 140-240°F range, 10°F fixed subtractive differential, with ¾" well	White-Rogers	11B83-16					
			Honeywell	L4080B1311					
Temperature Controls For PI and PID Boilers With Tankless Heaters									
3	510-312-249	Combination High Limit-low limit with circulator control with transformer. High limit: SPST, auto recycle, 140-240°F range, 10°F subtractive differential. Low limit/CIRC control: SPDT, auto recycle, 110-215°F range, 10-25°F adjustable additive differential	Honeywell	L8124E1065	X	X	X	X	X
	592-300-027	Immersion well, ¾" N.P.T. with 3 1/8" shank	Honeywell	123871A	X	X	X	X	X
Water Trim Components Common To All EGH Boilers									
4	511-546-924	ASME Pressure Relief Valve, set to relieve at 30 PSIG, ¾" N.P.T. female inlet	Watts	335	X	X	X	X	X
			Conbraco	10-408-05	X	X	X	X	X
5	510-218-097	Combination Gauge, 2 ½" dial, 0-75 PSIG, 70-320°, back mount	U.S. Gauge	19998	X	X	X	X	X
			ENF	4104-2-1/2-1/4 CMB-30	X	X	X	X	X
NS	590-921-901	Tankless heater- water boiler (Includes: Heater, Gasket, Nuts and Studs. For all sizes EGH boiler)	Heat Transfer Products	E-632					

EGH Steam Trim Series 4



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EGH Steam Trim Series 4

Fig. No.	Part No.	Description	Mfr	Mfr.'s Part No	EGH Series 4 Boiler Size				
					85	95	105	115	125
Trim For All EGH Steam Boilers									
1*	510-312-135	High Pressure Limit Control, SPST, auto recycle, 0-9 PSIG range, 0-5 PSIG additive differential, ¼" N.P.T. bottom connection	Honeywell	PA-404-A	X	X	X	X	X
2	511-548-020	Steam Relief Valve, 15 PSIG, with ¾" N.P.T. male inlet	Conbraco	13-211-08	X	X	X	X	X
			Watts	145	X	X	X	X	X
3	510-218-045	Pressure Gauge 0-30 PSIG, 2 ½" dial, ¼" N.P.T. bottom mount	Ametek	P505K	X	X	X	X	X
4	383-600-000	Water Gauge Glass Kit, 5/8" x 7 3/8" with gaskets and brass washers	Weil-McLain		X	X	X	X	X
5	563-334-580	Water Gauge Glass Guard, 3/8" x 9 3/8" (2 per unit)	Weil-McLain		X	X	X	X	X
Probe Type Low Water Cut-off Components For EGH Steam Boilers									
6	510-218-145	Water Gauge Glass Cocks, set, ½" N.P.T., male inlet, long stem	Conbraco	21-205-03-W	X	X	X	X	X
			United Brass Works	905-946	X	X	X	X	X
7*	511-114-515	Low Water Cut-off, SPDT, ¾" male electrode type, 24 volt	Hydrolevel	400	X	X	X	X	X
Float Type Low Water Cut-off Components For EGH Steam Boilers									
6	510-218-135	Water Gauge Glass Cocks, set, ½" N.P.T., female inlet, Std stem	Conbraco	20-205-03-W	X	X	X	X	X
					X	X	X	X	X
8	511-114-494	Low Water Cut-off, SPDT, ½" N.P.T. float type, 24 volt	McDonnell-Miller	67W-1	X	X	X	X	X
Tankless Heater Operating Temperature Control For EGH Steam Boilers									
9	510-312-250	Operating Temperature Control, SPST, auto recycle, 140-240°F subtractive differential with ¾" N.P.T. well	Honeywell	L4080D1036	X	X	X	X	X
			White-Rogers	11B81-3	X	X	X	X	X
NS	590-921-903	Tankless Heater – steam boiler (Includes: Heater, Gasket, Nuts And Studs)	Heat Transfer Products	35-S-29	X	X	X	X	X
	590-317-579	Gasket for Tankless Heater Opening							

*Alternate components

* Two high limits used with EGH-85 and EGH-95 standing pilot steam boilers