

**Polished Stainless Jacket**

A relatively inexpensive option for the customer who requires a smart look. No matter if it's a stainless jacket or a complete skid-mounted unit(s) with boiler, return system, blowdown, and any other special equipment, Fulton can build to any industrial process application.

**Fulton Warranty No.1 in the Industry!**

All Fulton Boilers are completely trimmed packaged boilers. No additional fuel train items or electrical wiring is needed. Boiler is supplied with installation manual, ready for quick installation by the Fulton representative.

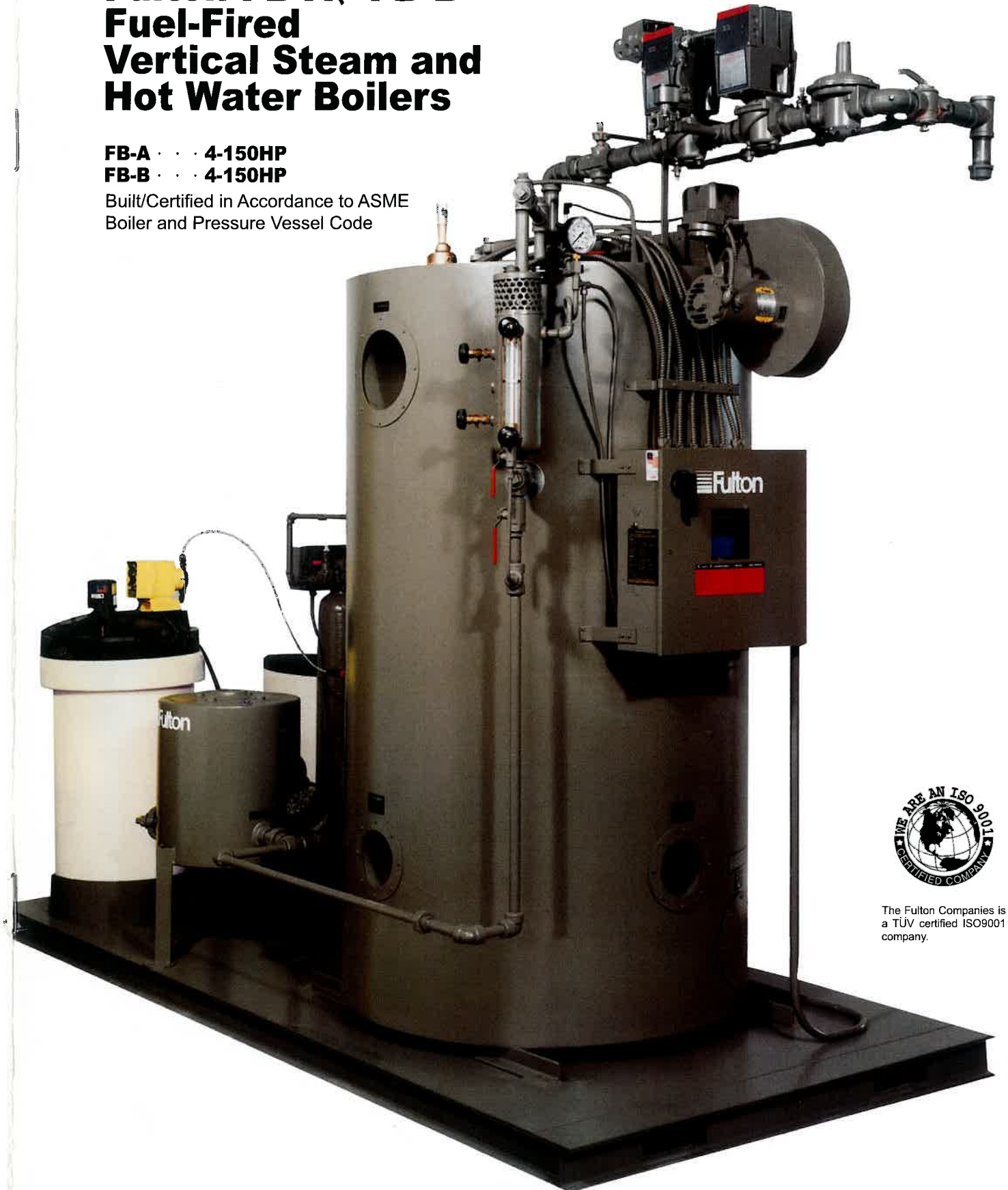


Industrial/Commercial Division  
 The Fulton Companies

**Fulton FB-A, FB-B  
 Fuel-Fired  
 Vertical Steam and  
 Hot Water Boilers**

**FB-A . . . 4-150HP**  
**FB-B . . . 4-150HP**

Built/Certified in Accordance to ASME  
 Boiler and Pressure Vessel Code



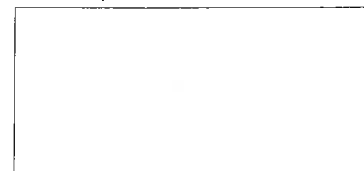
The Fulton Companies is a TÜV certified ISO9001 company.



**The Fulton Companies**  
 972 Centerville Road  
 Pulaski, NY USA 13142  
 Phone:(315)298-5121  
 Fax:(315)298-6390  
 www.fulton.com

**Fulton China LLC**  
 No.9 18th Streets  
 HETZ Hangzhou China 310018  
 Phone:(86)571-86725890  
 Fax:(86)571-86725896  
 www.fulton.cn

Sales Representative



Fulton China LLC is part of the Fulton Companies manufactures high grade industrial/commercial heat

For over 60 years the Fulton vertical tubeless boilers have remained a compact trouble-free boiler supplying steam and hot water to virtually every type of industry imaginable.

The Classic efficient FB-A, FB-B Fulton boilers are available in 13 sizes ranging from 4 to 150 BHP.

Simplicity and reliability offer years of trouble-free operation. With no tubes or coils to scale up, rust or burn out, a Fulton Boiler reduces plant operating costs by eliminating down time and expensive repairs.

All Fulton Boilers feature the Fulton designed top mounted down-fired standard power burner or new optional low emissions burner. The velocity of the premixed air and gas reduces the residence time in the low emissions burner. Due to this high velocity gas/air mixture, Fulton's burners are capable of maintaining NOx concentrations below 20 PPM and 60 PPM CO corrected to 3% O<sub>2</sub>. The Fulton Low Emissions Burner is also under 20 ng NOx/joule output.

Fulton Engineers/Manufactures Total System for Industrial Process Applications

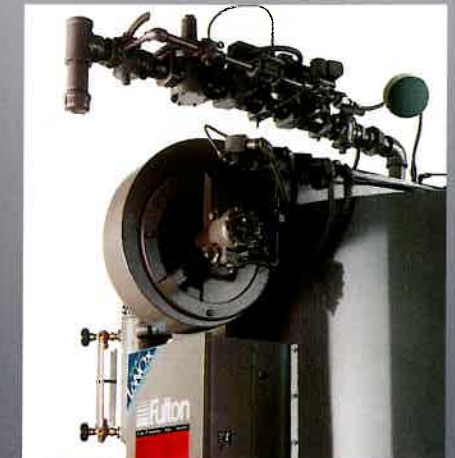
Fulton, involved in engineering total systems to meet the needs of a specific application has been manufacturing steam boilers for over 60 years. Fulton's engineering, drafting, and manufacturing capabilities can build just about anything around a customer's needs. Fulton's custom built, factory skid mounted and pre-piped equipment save a tremendous amount of time and work on the job site.



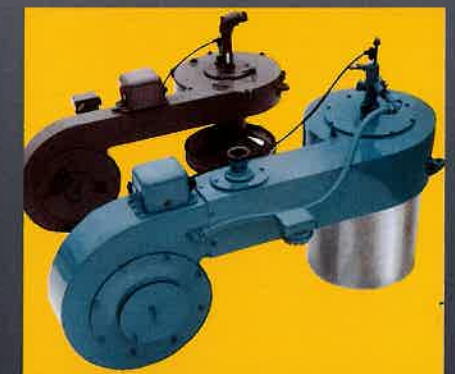
FBA-050 gas-fired steam boiler, FBA-030 oil-fired steam boiler and FBA-100 oil-fired steam boiler (left to right)



Custom skid mounted boiler and accessories

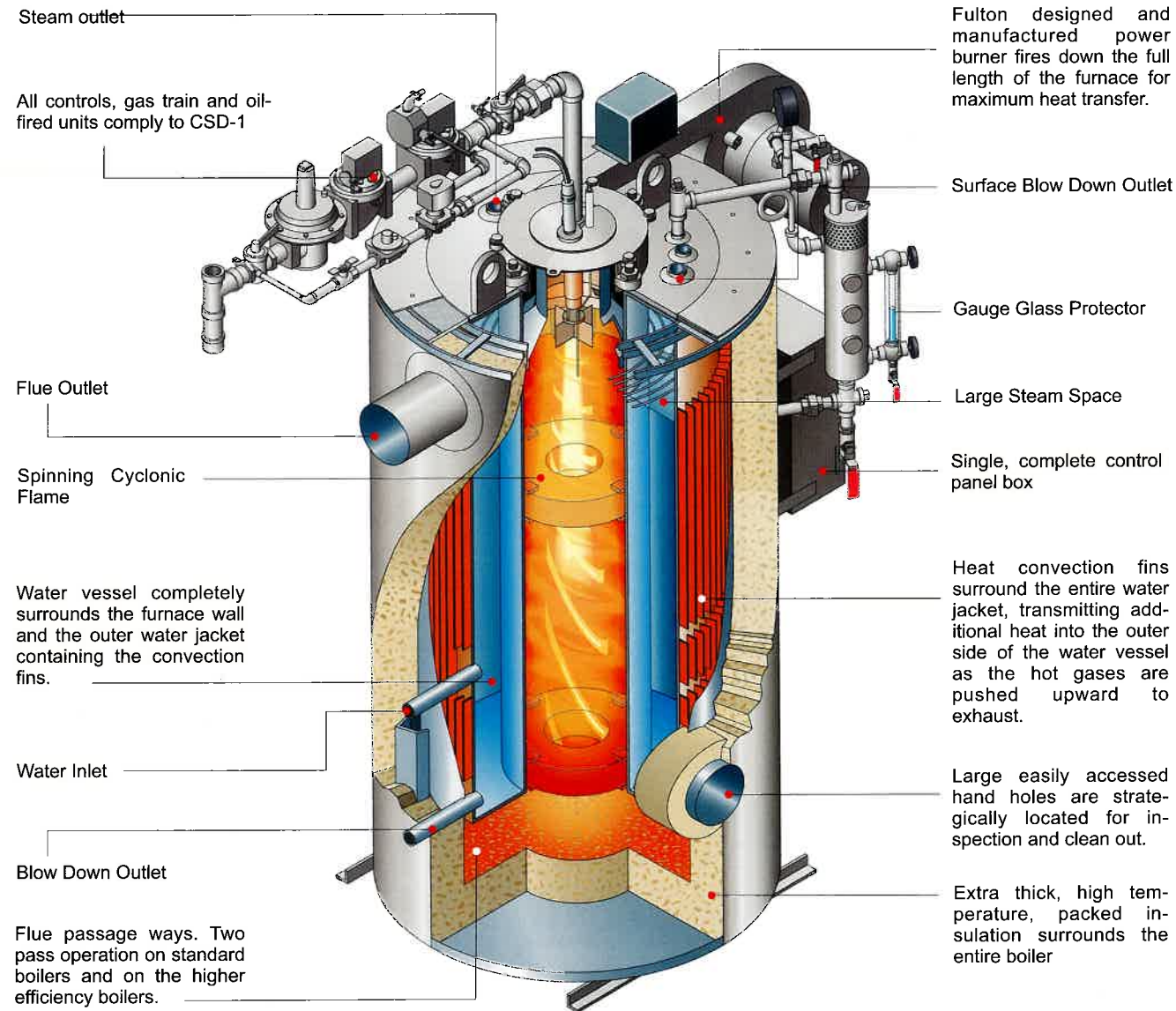


The Fulton Classic FB-A, FB-B boilers can be ordered with combination oil and gas capabilities or be converted at any time simply and economically.

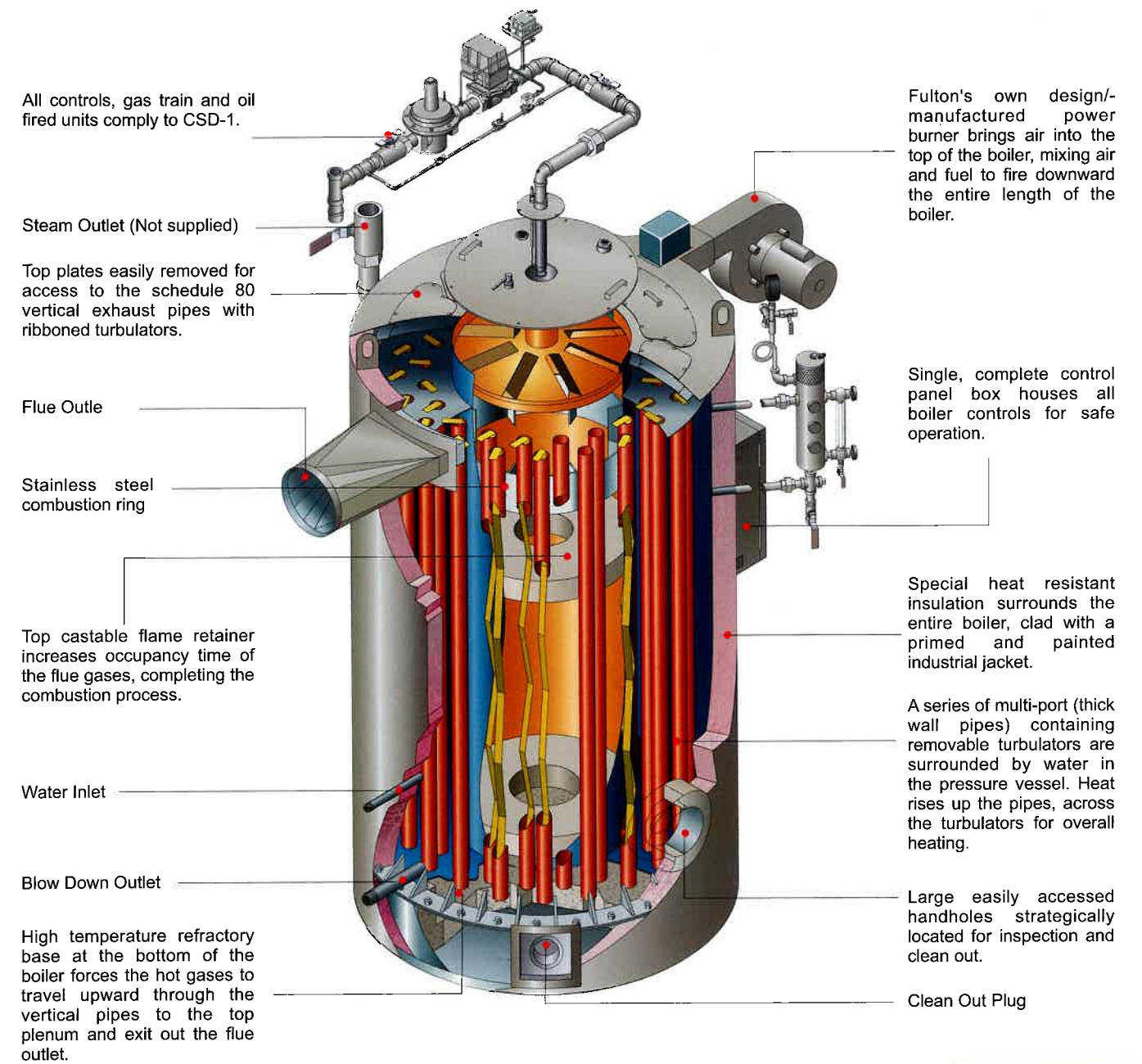


Standard top-mounted down-fired burner (back) and low emission burner (front)

**Component View/Features of the vertical tubeless boiler (4-60BHP.)**



**Component View/Features of the VMP Design in 80-150 BHP**



**The Fulton Difference**

**Pipe Within a Pipe**

The furnace (Pressure vessel) is, simply stated, a "pipe within a pipe." The top mounted burner sends a spinning, cyclonic flame down the center furnace chamber. The hot gases return upward in the secondary flue passage, traveling over the heat convection fins. These fins transmit the remaining heat onto the outer side of the water vessel. This results in the most uniform overall heating of the boiler, maximizing the pressure vessel's longevity.



**The Fulton Difference**

**Pipe vs. Tube**

Sixty years after creating the vertical tubeless category of boilers, Fulton has introduced another innovation—the Pipetype Boiler. Constructed of Schedule 80, heavy wall pipes replacement is a thing of the past. This simple design is proven by decades of experience, and is backed by our unmatched warranty. See the difference there or call us for physical sample of our "Pipe vs. Tube".



**Specifications/Steam boiler**

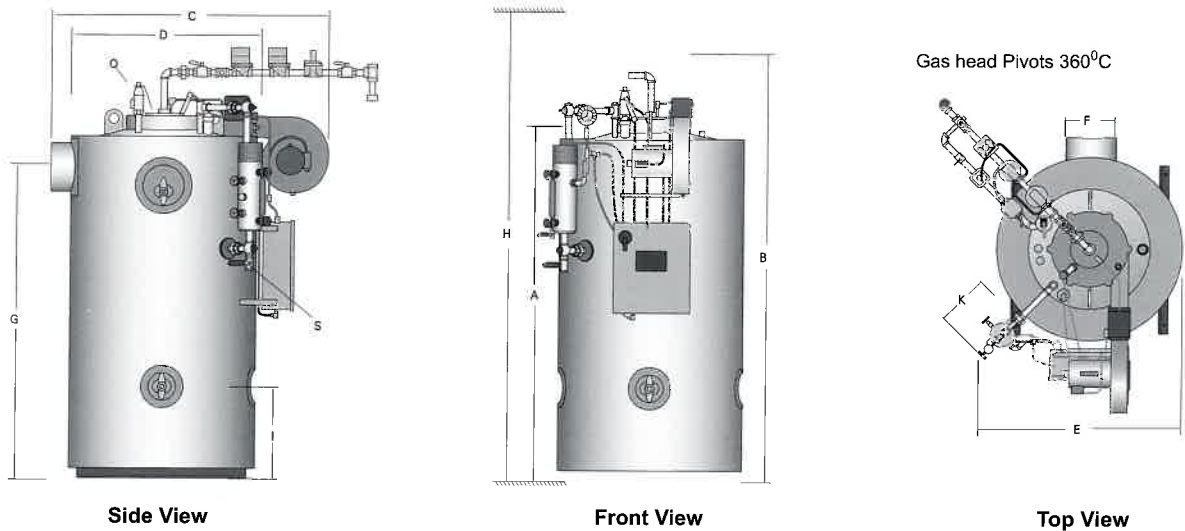
Model FB-A	4	6	10	15	20	30	40	50	60	80	100	130	150	
Ratings (sea level to 3000ft.)														
Steam out put	LB/HR	138	207	345	518	690	1035	1380	1725	2070	2760	3450	4484	5175
	KG/HR	63	94	157	235	312	470	627	783	939	1252	1565	2034	2348
Approximate Fuel Consumption at Rated Capacity														
Light oil	KG/HR	3.77	5.65	9.42	14.71	18.91	29.07	38.41	48.80	58.14	76.10	91.31	121.75	140.55
Propane Gas	M <sup>3</sup> /HR	1.88	2.81	4.69	7.32	9.41	14.47	19.12	24.29	28.94	37.88	45.45	60.61	69.97
Natural Gas	M <sup>3</sup> /HR	4.74	7.11	11.85	18.51	23.79	36.58	48.34	61.41	73.16	95.76	114.91	153.22	176.87
Town Gas	M <sup>3</sup> /HR	12.06	18.09	30.14	47.06	60.50	93.02	122.92	156.15	186.05	243.51	292.21	358.61	413.97
Natural Gas Boiler	IN	1	1	1	1	1.25	1.5	1.5	1.5	2	2.5	3	3	3
Connection Size	MM	25	25	25	25	32	38	38	38	50	64	76	76	76
Burner	3450 RPM/60CY					GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL
Motor HP	2850 RPM/50CY	1/3	1/3	1/3	1/3	1/3 3/4	1/3 3/4	1/2 2	1/2 2	1/2 2	2 3	3 3	4 4	4 4
Electric Power Requirements (in Amps)														
380V/50HZ	3Phase	0.9	0.9	0.9	0.9	0.9 1.4	0.9 1.4	2.6 3.7	2.6 3.7	2.6 3.7	3.7 4.6	4.6 4.6	6.2 6.2	6.2 6.2
Control voltage		2	2	2	2	2	2	2	2	2	2	2	2	2
220V/50HZ/1 Phase														

Note: High pressure boilers ordered with an extra pressure control for night heating have less than rated output while operating at low pressure.

**Specifications/Hot water boiler**

Model FB-B	4	6	10	15	20	30	40	50	60	80	100	130	150	
Ratings (Sea Level to 3000 ft.)														
Output	1000BTU/HR	136	205	341	512	682	1023	1365	1706	2047	2729	3412	4435	5117
	1000KCAL/HR	34.4	51.6	86.0	129.0	172.0	258.0	344.0	430.0	516.0	688.0	860.0	1118.0	1290.0
Hot water OUTPUT(30°C difference)		1147	1720	2867	4300	5733	8600	11467	14333	17200	22933	28667	37267	43000
Approximate Fuel Consumption at Rated Capacity														
Light oil	KG/HR	3.70	5.55	9.25	13.09	17.45	26.18	34.90	43.63	52.35	68.25	85.32	110.91	126.57
Propane Gas	M <sup>3</sup> /HR	1.84	2.76	4.61	6.52	8.69	13.03	17.37	21.72	26.06	33.98	42.47	55.21	63.00
Natural Gas	M <sup>3</sup> /HR	4.66	6.99	11.64	16.47	21.96	32.94	43.92	54.90	65.88	85.89	107.37	139.58	159.28
Town Gas	M <sup>3</sup> /HR	11.84	17.76	29.60	41.88	55.84	83.77	111.69	139.61	167.53	218.41	273.02	354.92	405.02
Natural Gas Boiler	IN	1	1	1	1	1.25	1.5	1.5	1.5	2	2.5	3	3	3
Connection Size	MM	25	25	25	25	32	38	38	38	50	64	76	76	76
Burner	3450 RPM/60CY					GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL	GAS OIL
Motor HP	2850 RPM/50CY	1/3	1/3	1/3	1/3	1/3 3/4	1/3 3/4	1/2 2	1/2 2	1/2 2	2 3	2 3	4 5	4 5
Electric Power Requirements (in Amps)														
380V/50HZ	3Phase	0.9	0.9	0.9	0.9	0.9 1.4	0.9 1.4	2.6 3.7	2.6 3.7	2.6 3.7	3.7 4.6	3.7 4.6	6.2 8	6.2 8
Control voltage		2	2	2	2	2	2	2	2	2	2	2	2	2
220V/50HZ/1 Phase														

Note: Fuel consumption based on: light oil 11200 kcal/kg, Natural gas 8900kcal/ m<sup>3</sup>, Propane gas 22500kcal/ m<sup>3</sup>, Town gas 3500kcal/ m<sup>3</sup>. Specifications are approximate. We reserve the right to change specifications.

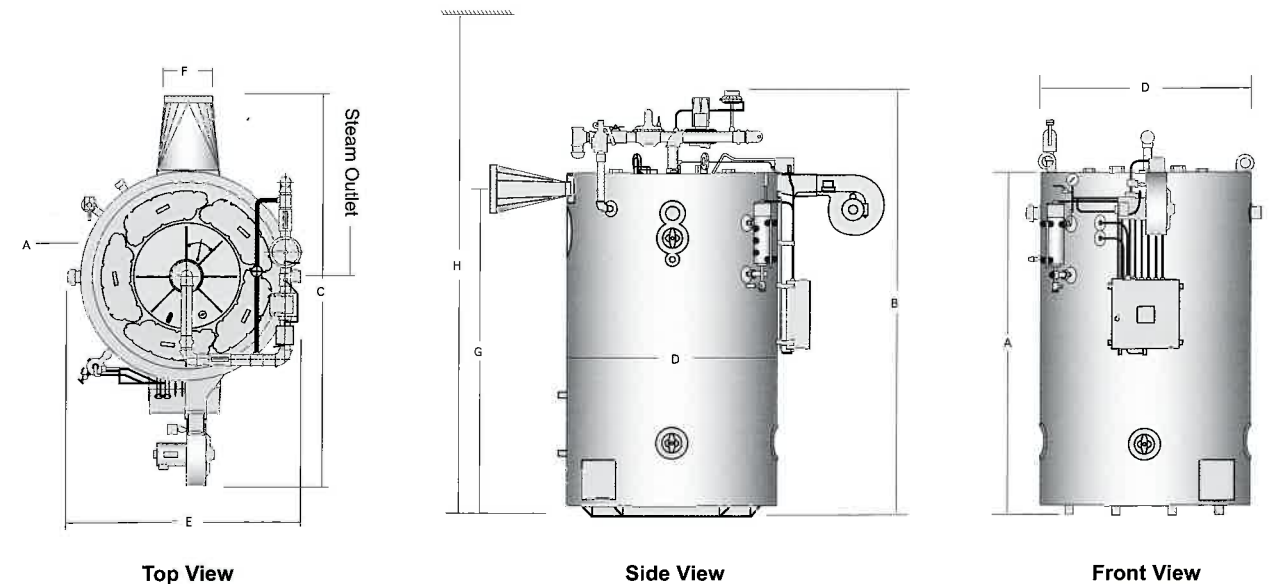


**FB-A/FB-B (4-60BHP)**

**Dimensions and Weights FB-A/FB-B are approximately the same**

Model FB-A/FB-B	4	6	10	15	20	30	40	50	60	80	100	130	150	
Heights and widths														
A Boiler Height	IN	47	57	63	69	73	82	73	87	93	103	103	114	114
	MM	1194	1448	1600	1753	1842	2083	1854	2210	2362	2609	2609	2893	2893
B Boiler Height With Trim & Fuel Train Assembly	IN	65	75	80.5	86.5	92	102	94	106	120	116	116	132	132
	MM	1651	1905	2045	2197	2336	2591	2388	2705	3048	2940	2940	3348	3348
C Overall Depth Stack To Burner Fan Housing	IN	44	44	46	47	60	68	78	78	78	114	100	128	128
	MM	1118	1118	1168	1194	1524	1720	1969	1969	1969	2898	2543	3253	3253
D Boiler Diameter	IN	26	26	28	30	39	46	55	55	55	63	69	76	76
	MM	660	660	710	762	991	1168	1397	1397	1397	1588	1740	1943	1943
E Overall Width With Water Column	IN	33	33	33.5	35.5	43	49	57	57	57	67	75	83	84
	MM	838	838	851	902	1091	1244	1448	1448	1448	1702	1905	2108	2146
F Flue Outlet Diameter	IN	6	6	6	8	10	12	12	12	12	14	14	16	16
	MM	152	152	152	203	254	305	305	305	305	350	350	400	400
G To Center of Flue Outlet	IN	42	58	58	63	66	73	62	77	83	95	95	104	104
	MM	1070	1320	1473	1600	1676	1854	1574	1962	2114	2423	2415	2641	2641
Minimum Clearance														
H Clearance Required for Burner Removed from Ceiling to Ground	IN	72	82	86	92	96	106	106	114	124	126	129	151	157
	MM	1828	2083	2184	2337	2438	2692	2692	2896	3150	3200	3277	3835	3988
Boiler Front	IN	41	41	41	41	41	41	41	41	41	41	41	41	41
	MM	1041	1041	1041	1041	1041	1041	1041	1041	1041	1041	1041	1041	1041
Boiler Back/Side	IN	36	36	36	36	36	36	36	36	36	36	36	36	36
	MM	915	915	915	915	915	915	915	915	915	915	915	915	915
Water Content														
	US.GAL	14	16	24	39	77	170	188	245	270	375	580	741	741
	LITERS	53	61	91	148	292	643	712	927	1022	1419	2195	2805	2805
Weight														
Gross Shipping Weight	LB	1400	1700	2000	2300	3400	4800	5800	6526	7280	10506	11608	15432	15432
	KG	640	770	910	1043	1545	2177	2631	2960	3305	4770	5270	7000	7000

Note: Specifications are approximate. We reserve right to change specifications.



**FB-A/FB-B (80-150HP)**