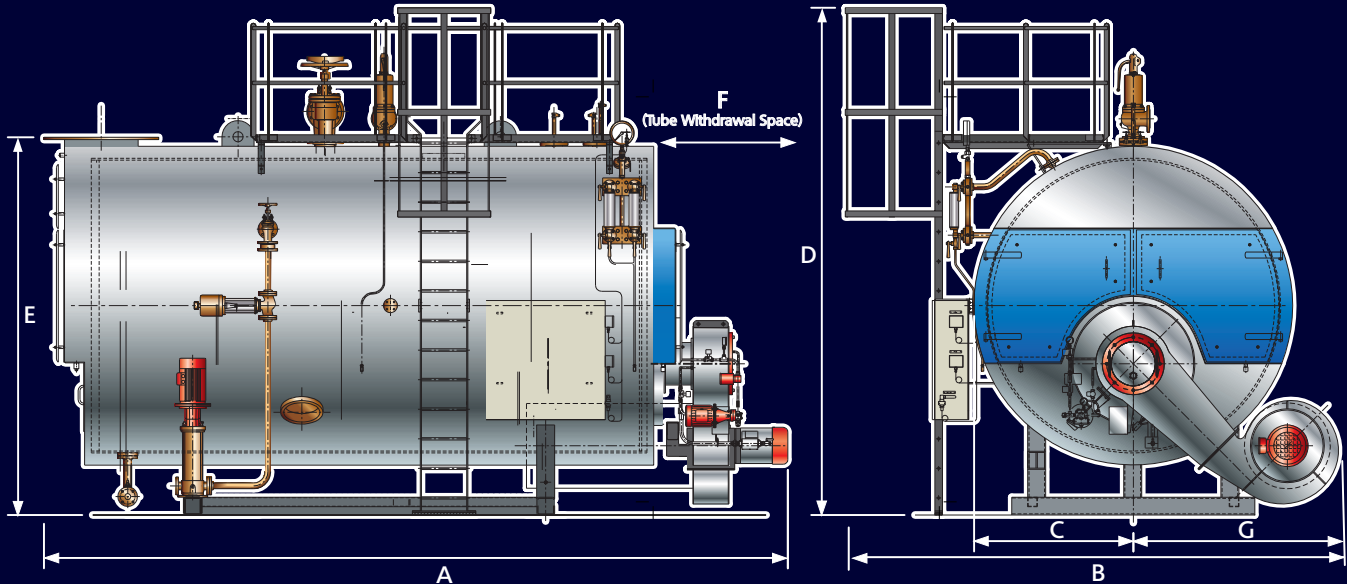


Cochran Steam Boiler

Model:
Thermax

For larger applications the Cochran Thermax high volume range offers the right combination of performance and integrity for users world-wide. The well-proven three pass wetback design is fully compliant with European regulations and delivers outputs of up to 24 tonnes on a single furnace. This range of boilers can be found in distilleries, chemical plants, hospitals, CHP and a host of other applications requiring reliable and flexible steam production and comes with a wide range of combustion and control packages, superheater and economiser options.



Ratings (F&A 100°C): From 5000 kg/hr to 24000 kg/hr (11023 lb/hr to 59210 lb/hr / (3134 kW to 15045 kW).

Standard Working Pressures: 10.34 Bar and 17.2 Bar. All steam boiler designs are available from 6 Bar up to 28 Bar.

Evaporation	kW	3134	3510	3761	3949	4263	4551	4833	5121	5404	5686	6400	7109	7522	8150	8532	9955	11374	12537	14104	15045	
F&A 100°C (212°F)	kg/h	5000	5600	6000	6300	6800	7260	7710	8170	8620	9070	10210	11340	12000	13000	13610	15880	18144	20000	22500	24000	
	lb/h	11023	12345	13227	13888	14991	16005	16997	18011	19003	19995	22509	25000	26455	28660	30005	35009	40000	44092	49604	52910	
Dimensions	A	mm	5497	5591	5731	5756	5856	5941	6088	6167	6223	6328	6854	6980	6980	7414	7414	7795	7785	8235	8710	9110
	B	mm	3915	4235	4245	4255	4292	4407	4317	4347	4398	4403	4755	4809	4809	4980	4980	5062	5248	5422	5757	5901
	C	mm	1206	1236	1246	1256	1297	1337	1337	1352	1398	1403	1485	1540	1540	1652	1652	1728	1965	1965	2055	2055
	D	mm	3844	3904	3924	3945	4027	4107	4107	4137	4230	4202	4506	4516	4516	4740	4740	4892	5292	5292	5455	5455
	E	mm	2755	2815	2835	2855	2938	3018	3018	3048	3141	3151	3417	3427	3427	3651	3651	3803	4124	4124	4287	4287
	F	mm	2993	3054	3194	3234	3284	3358	3494	3563	3604	3756	3639	3789	3789	4149	4149	4499	5760	6210	6410	6910
	G	mm	1631	1921	1921	1921	1917	1917	1917	1917	1922	1922	1922	2190	2190	2250	2250	2275	2272	2446	2691	2835
Min.Trans.Width	mm	3006	2799	2819	2840	2921	3001	2986	3031	3123	3133	3300	3409	3409	3632	3632	3766	3862	3862	4012	4012	
Min.Trans.Height	mm	2865	2925	2945	2965	3048	3158	3158	3188	3331	3291	3457	3617	3617	3841	3841	3993	4124	4124	4287	4287	
Rec.Chimney Dia.	mm	455	510	510	535	560	560	600	610	635	635	660	710	710	815	815	865	900	940	1000	1000	
Sfy.Valve Exh.Dia.	mm	80	80	80	80	80	80	100	100	100	100	100	100	100	125	125	125	125	150	150	150	
Steam Stop Valve Dia.	mm	125	125	125	125	125	150	150	150	150	150	200	200	200	200	200	200	200	200	250	250	
Blow Down Valve Dia.	mm	32	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	50	
Feed Pump Inlet Dia.	mm	32	32	40	40	40	40	40	40	50	40	65	65	65	65	65	65	50	50	65	65	
Weight-Empty	Tonne	14.2	16.0	16.7	17.1	18.1	18.8	19.5	19.9	21.2	22.2	26.4	28.7	28.7	32.0	32.0	36.1	44.0	46.6	52.7	54.9	
Weight to N.W.L.	Tonne	23.3	25.5	26.5	27.1	29.0	30.8	31.5	32.3	34.8	36.0	42.8	46.0	46.0	54.8	54.8	61.8	73.8	77.2	88.7	93.2	
Weight Full of Water	Tonne	25.1	27.5	28.5	29.2	31.3	33.3	34.0	35.0	37.7	39.0	46.3	49.9	49.9	59.7	59.7	67.6	81.8	85.8	98.5	103.6	

Notes:

1. All Dimensions and weights are approximate only and are based on a boiler working pressure of 10.34 Bar G.
2. For boilers rated above 20000kg/hr, the heat input on oil firing is limited to comply with EN12953 standards.

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