



COCHRAN

Wee Chieftain Package Steam Boiler



ENERGY SOLUTIONS WORLDWIDE

The BIB Cochran Wee Chieftain is probably the world's best-known industrial boiler. The 3 pass wetback design is renowned for reliability, durability and its robust design. Available in its classic square form or the modern round version, the range can be found working hard in over 100 countries world-wide. Suitable for any application, the Wee Chieftain features Cochran low NO_x, low noise burners as standard with a wide range of control options available.

Ratings (F&A 100°C):

From 1000 kg/hr to 5000 kg/hr
(2205 lb/hr to 11023 lb/hr)
(627 kW to 3134 kW)

Standard Working Pressures:

10.34 BAR
(DESIGNS AVAILABLE UP TO 28 BAR G)

Design concept:

- 3-pass conventional wetback
- Manufactured to B.S. 2790 (or equivalent international standards i.e. EN 12953, PD 2790). Products are normally CE marked
- Robust design and construction for long life
- Total package incorporates combustion equipment, feed water pump and controls, control panel, all necessary valves and fittings

Quality:

- Procedures are third party audited to ISO 9001; boilers are third party insurance authority inspected before dispatch

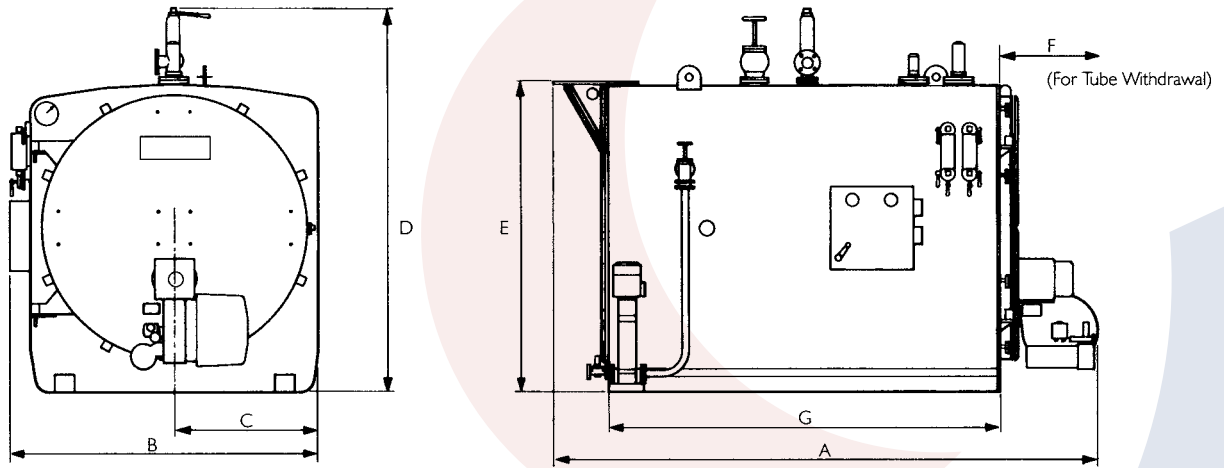
Efficiencies:

- Typical 89% gas firing*
 - Typical 90% oil firing*
- * Efficiencies based upon
N.C.V. of 34828 kJ/m³ (gas)
N.C.V. of 35863 kJ/l (oil)

Full range of support services available including:

- Turnkey boilerhouse supply
- Installation and project management
- International commissioning & maintenance service
- Full spares support

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Evaporation	kW	627	940	1254	1567	1881	2194	2507	2821	3134
F.&A. 100°C(212°F)	kg/h	1000	1500	2000	2500	3000	3500	4000	4500	5000
	lb/h	2205	3307	4409	5512	6614	7716	8818	9921	11023
Dimensions	(Oil) A mm	3145	3763	3763	4347	4391	4391	4896	4901	5414
	(Nat. Gas) A mm	3355	3953	3953	4552	4727	4753	5009	5009	5522
	B mm	1784	1984	1984	2368	2520	2620	2690	2690	2822
	C mm	781	881	881	1073	1149	1149	1184	1184	1250
	D mm	2153	2413	2413	2882	3034	3034	3251	3251	3366
	E mm	1766	1966	1966	2350	2502	2502	2647	2647	2779
	F mm	1980	2440	2440	2964	2950	2950	3170	3170	3650
	G mm	2153	2633	2633	3154	3140	3140	3360	3360	3840
Recommended Chimney Dia	mm	230	280	305	355	380	405	430	455	485
Safety Valve Exhaust Dia.	mm	40	50	50	65	65	65	80	80	80
Steam stop Valve Dia.	mm	50	65	65	80	100	100	100	100	100
Blow Down Valve Dia.	mm	25	25	25	25	25	25	25	25	25
Feed Check Valve Dia.	mm	25	25	25	25	40	40	40	40	40
Feed Pump Inlet Dia.	mm	25	25	25	25	25	25	25	25	25
Feed Water Strainer Dia.	mm	25	25	25	25	40	40	40	40	40
Oil Inlet Connection Dia.	B.S.P.	3/8"	3/8"	3/8"	3/8"	3/8"	1"	1"	1"	1"
Fuel Consumption (Diesel)	l/hr	71.1	106.1	142.7	176.4	211.3	246.2	282.0	318.2	352.8
Fuel Consumption (Nat. Gas)	m³/hr	74.3	111.4	150.0	184.7	221.4	258.5	296.2	334.3	370.0
Boiler Weight-Empty	Tonne	3.7	5.0	5.1	8.1	9.2	9.2	11.3	11.4	14.2
Boiler Weight-To N.W.L.	Tonne	5.2	7.4	7.5	13.3	14.9	14.9	17.6	17.7	22.7
Boiler Weight-Full of Water	Tonne	5.6	8.0	8.1	14.4	16.3	16.3	19.2	19.3	24.7

Notes

- 1 Oil Fuel Consumption based on Class D:BS 2869 N.C.V.36076 kJ/l (18355 BTU/lb)
- 2 Gas Fuel Consumption based on Gas N.C.V.34828 kJ/m³ (935 BTU/Ft³)
- 3 All Dimensions and weights are approximate only based on boiler working pressure of 10.34 Bar g
- 4 Fuel Consumptions based on boiler working pressure of 10.34 Bar g

A BIB Group Plc Company

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