

EB90 Electric Steam Boiler 3000-15000 kg/hr

Cochran's EB90 packaged medium voltage steam boiler is a horizontal design constructed in accordance with BS EN 12953.

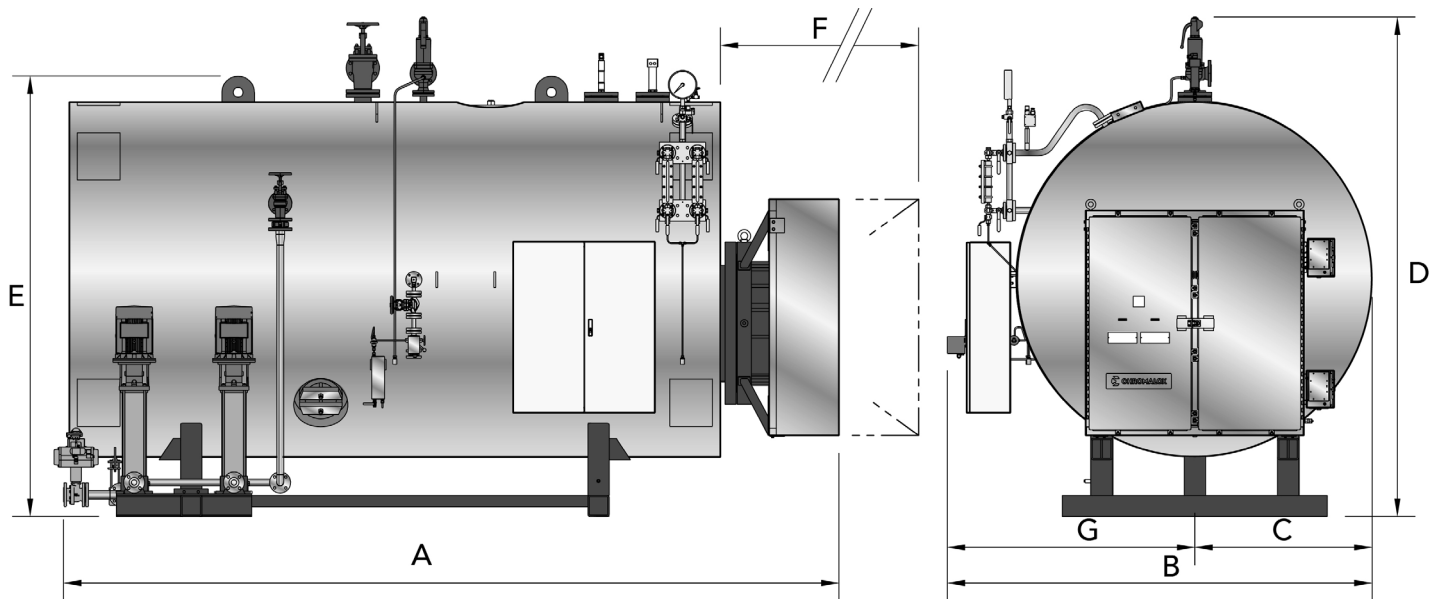
It complies with the requirements of the Factories Act (1961) and Arrangement 3 of Guidance on Safe Operation of Boilers Ref: BG01 and/or BG13 developed by the Safety Assessment Federation (SAFED) and the Combustion Engineering Association (CEA), the latter being the acceptance criteria for compliance with HSE and UK Inspection Authority requirements. In addition, the EB90 is UKCA, UKNI or CE marked to meet the requirements of the Pressure Equipment Directive (PED), Low Voltage; Electro-Magnetic Compliance & Machinery Safety Directives. Throughout the manufacturing process, this boiler is subject to inspection by a leading Independent Insurance Company, in addition to Cochran's own ISO 9001-compliant quality procedures.

Cochran's EB90 packaged medium voltage steam boiler offers the following key features:

- Output range of 3,000 kg/hr to 15,000 kg/hr F&A 100°C using resistance heating elements.
- Normal operating pressure up to 17 Barg, with options above.
- 4,160V or 6,600V resistance heating element bundle matched to the boiler in accordance with the rating.
- Supplied with matched medium voltage converter system.
- Boiler nett efficiency greater than 99%.
- Higher total system efficiency due to the higher operating voltage.
- Lower installation costs due to the higher operating voltage.
- Compact design results in an economical footprint.
- UKCA, UKNI or CE marked, horizontal boiler designed and constructed in accordance with BS EN 12953.
- Cochran Synergy Touchscreen HMI available with multiple interface protocols and remote access capability.
- Variable speed drive feed water pump motors help deliver low noise levels and reduce power consumption.
- Enhanced insulation for lower touch temperature.



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Cochran EB90 Model			90-1	90-2	90-3
F&A 100°C (212°F)		kg/h	up to 5000	up to 10000	up to 15000
Dimensions	A	mm	5444	5996	6418
	B	mm	2984	3298	3796
	C	mm	1245	1402	1651
	D	mm	3509	3883	4534
	E	mm	3095	3441	4016
Bundle Withdrawal	F	mm	4342	4342	4138
	G	mm	1739	1896	2145
Min. Trans. Width		mm	2558	2872	3370
Min. Trans. Height		mm	3095	3411	4016
Stop Valve Dia.		mm	100	125	150
Safety Valve Size		mm	40	50	65
Safety Valve Outlet Dia.		mm	65	80	100
Blowdown Valve Dia.		mm	50	50	50
Feed Pump Inlet Dia.		mm	40	50	50
Weight Empty		Tonnes	16.9	22.2	31.9
Weight to NWL		Tonnes	30.8	41.9	65.2
Weight Full		Tonnes	33.3	44.9	70.9

Notes: All Dimensions and weights are approximate only and are based on a boiler working pressure of 17 Bar G.

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