

# EB90 Electric Steam Boiler 239-479 kg/hour

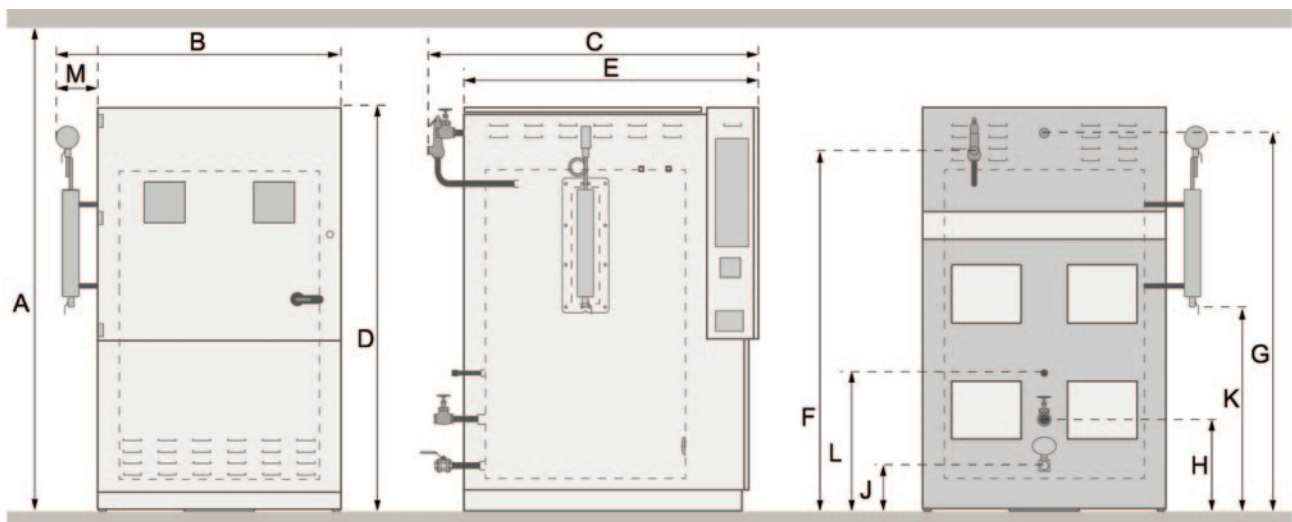
**Cochran's highly-efficient EB90 Electric Steam Boiler is designed to meet the requirements of the mid-range demand steam user and is suitable for medical-, chemical- and food-based applications.**

The four-model range is available with outputs from 150 to 300 kW (239 to 479 kg/h) and a maximum operating pressure of 10.34 barg.

Its multi-element design is constructed to BS EN 13445 and allows for turndowns up to 12:1, reducing steam pressure fluctuations and improving overall steam quality and efficiency.

## **Cochran's EB90 steam boilers offer the following key features:**

- Four Models ranging from 150kW to 300kW.
- Output: 239 kg/h – 479 kg/h (F&A 100°C)
- Operating Pressure: 10.34 barg
- Integrated Feedwater Pump.
- Easily cleaned removable panels enable easy servicing.
- Individually switched heating elements allow EB90 boilers to respond quickly and efficiently to variable steam demands.
- Ideal for 'clean environment' applications, including pharma, medical and food and beverage.



# EB90 Electric Steam Boiler

# 239-479 kg/hour

Cochran EB90 Model	Dimensions	E150	E200	E250	E300
<b>Steam Output F&amp;A 100°C</b>	<b>kg/h</b>	<b>239</b>	<b>319</b>	<b>399</b>	<b>479</b>
kW Rating	kW	150	200	250	300
Operating Pressure	barg	10.34	10.34	10.34	10.34
Number of Elements		6	8	10	12
Shipping Weight	kg	600	700	1000	1200
Operational Weight	kg	900	1100	1540	1800
Water Content	L	270	365	500	560
FLC 400 V 3 ph 50 Hz**	A/ph	222	295	367	439
FLC 230 V 1 ph 50 Hz***	A	660	877	1094	1312
Steam Outlet	DN	25	32	40	40
Safety Valve Discharge	DN	25	25	25	25
Feedwater Inlet	DN	25	25	25	25
Feedwater Pump Inlet	DN	25	25	25	25
Blowdown, Boiler	DN	20	20	20	20
Blowdown, Water Level Gauge (Sight Glass)	DN	15	15	15	15
Water Sample Outlet	DN	15	15	15	15
A Minimum Clearance*	mm	2750	2750	2750	2750
B Overall Width	mm	1365	1365	1580	1580
C Overall Depth	mm	1610	1610	1610	1610
D Overall Height	mm	1740	1740	1740	1740
E Boiler Depth	mm	1350	1350	1350	1350
F Safety Valve Discharge Height	mm	1470	1470	1470	1470
G Steam Outlet Height	mm	1665	1665	1665	1665
H Feedwater Inlet Height	mm	395	395	395	395
J Main Boiler Blowdown Height	mm	195	195	195	195
K Water Level Gauge (Sight Glass) Blowdown Height	mm	865	865	865	865
L Water Sample Point Height	mm	595	595	595	595
M Water Level Gauge Stand Off	mm	330	330	380	380

**Notes:** \* Required for maintenance and element removal. Once installed, a minimum clearance of 600 mm is required all around the unit.  
 \*\* 6 A/ph for feedwater pump & standard control circuit, included.  
 \*\*\* 7.5 A for feedwater pump & standard control circuit, included.  
 Electrical enclosures are rated IP20.  
 Every effort is made to ensure accuracy at time of going to press.  
 However as part of our policy of continual product improvement, we reserve the right to alter specifications without prior notice.

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