



e-Pack

ELECTRIC INDUSTRIAL BOILERS



THE COMPLETE BOILER HOUSE SOLUTION e-Pack SERIES FROM 300 KG/H TO 12 000 KG/H

Babcock-Wanson has over 50 years of experience in the design and manufacture of electric boilers.

These boilers have been designed to meet the current challenges of energy optimisation and decarbonization of our industrial customers. Governments in each country are implementing very ambitious measures to achieve massive reduction in greenhouse gases.

The e-Pack boiler has been developed by combining the best available technologies to achieve the highest level of efficiency, reliability and flexibility with zero emissions at the production site.

ENVIRONMENTALLY FRIENDLY

The e-Pack boiler offers many environmental and operational benefits:

- It does not consume any fossil fuel and therefore does not release any gaseous effluents into the atmosphere. From this perspective, the installation is very easy: There is no requirement for chimneys, fuel supply networks or storage tanks. In addition, no periodic monitoring of atmospheric emissions is required.
- Efficiencies close to 100% can be achieved since all incoming electrical energy is converted into thermal energy (only minor heat losses through the surfaces are to be deducted).
- Precise pressure control with multiple power stages allow the boiler to react quickly to load changes. This makes it possible to make quick starts to absorb available grid power when needed.



RELIABLE &
SAFE DESIGN



ENVIRONMENTALLY
FRIENDLY



FLEXIBLE
SOLUTION



FULL RANGE OF
ANCILLARY EQUIPMENT

WHY CHOOSE THE e-Pack FROM BABCOCK WANSON?

- Zero emission on site (CO₂ - NO_x - SO_x)
- Efficiency close to 100%
- High turndown ratios
- Easy maintenance
- Robust construction for long life
- Connectivity with our **navienergy** system
- Easy proprietary mode of operation
- High availability
- Easy to install
- Reduced operating costs

REDUCED OPERATING COSTS

▪ Robust construction for increased lifespan

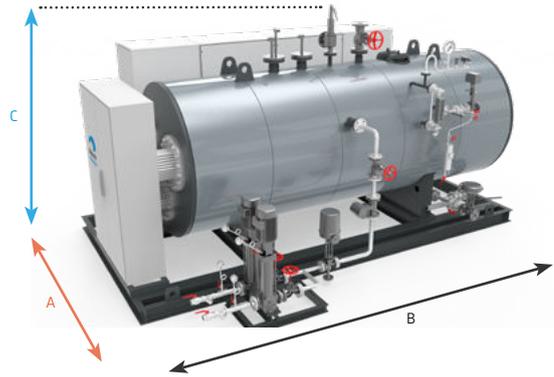
The e-Pack boilers consist of steel body with stainless steel immersion heaters, which offer numerous advantages in terms of performance, implementation and also for periodic maintenance operations. They are designed to allow both quick start-up and quick steam production, while protecting the immersion heaters from excessive stresses.

▪ Reduced operating costs

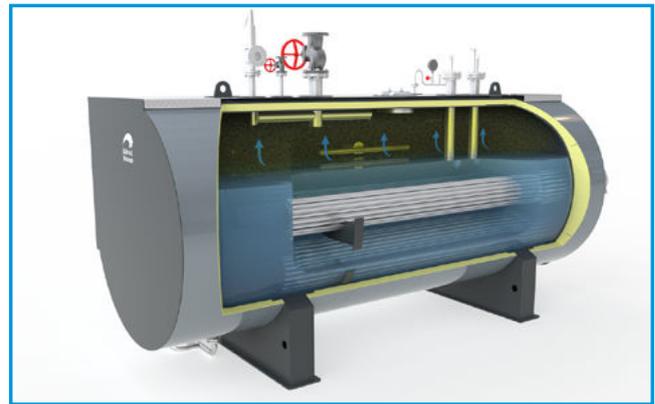
The control and instrumentation allow exclusive Babcock Wanson operating modes that adapt to the constraints of all industrial processes. The boiler is equipped with the Navenergy monitoring interface, which enables both on-site and remote monitoring of operating parameters.

▪ Easy installation and commissioning

The boiler is delivered ready to operate. All that is required is to connect it to the electricity, the feed water and the steam users. Commissioning is controlled and repeatable and avoids the difficulties that can make the commissioning of a fired boiler with burner more difficult from one site to another.



Electric industrial boiler e-Pack



e-Pack	model	300	600	900	1200	1500	1800	2250	3000	3600	4200	4800	5400	6000	6600	7200	7800	8400	9600	10800	12000	
Steam Output ⁽¹⁾	kg/h	300	600	900	1200	1500	1800	2250	3000	3600	4200	4800	5400	6000	6600	7200	7800	8400	9600	10800	12000	
Power Output ⁽¹⁾	kW	167	400	600	800	1000	1200	1500	2000	2400	2800	3200	3600	4000	4400	4800	5200	5600	6400	7200	8000	
Width A ⁽²⁾	mm	1400	1700	1700	1700	2000	2000	2000	2400	2400	2700	2700	2900	2900	2400	2400	2700	2700	2700	2900	2900	
Length B ⁽²⁾	mm	3700	4400	4400	4400	4500	4500	4500	5100	5100	4900	4900	5000	5000	7200	7200	7400	7400	7400	7500	7500	
Height C ⁽²⁾	mm	1800	2000	2000	2000	2300	2300	2300	2700	2700	3000	3000	3200	3200	2700	2700	3000	3000	3000	3000	3200	3200
Weight fully flooded	Kg	2300	3800	3900	3900	5700	5700	5800	10000	10100	13500	13600	16000	16100	15600	15600	21500	21600	21700	25600	25800	

(1) Power output at up to 8 barg based on feedwater at 90°C.
 (2) Overall dimensions include immersion heater and boiler mountings.

Other power or steam pressure on request

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Designers and manufacturers of Industrial Boilers, Air Heaters, Thermal Fluid Heaters, Thermal Oxidisers, Water Treatment Plant and associated equipment. Registered Number 573874 London.

Babcock Wanson's policy is one of continuous improvement and the right is reserved to change specifications and dimensions at any time without notice.



Boilers & Burners