



THE COMPLETE BOILER HOUSE SOLUTION e-Pack SERIES FROM 500 KG/H TO 17 000 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
- 100% efficiency
- High turndown ratios
- Easy maintenance
- Robust construction for long life
- Connectivity with our **NAVENERGY** system
- Easy proprietary mode of operation
- High availability
- Easy to install
- Reduced operating costs

REDUCED OPERATING COSTS

■ Robust construction for increased lifespan

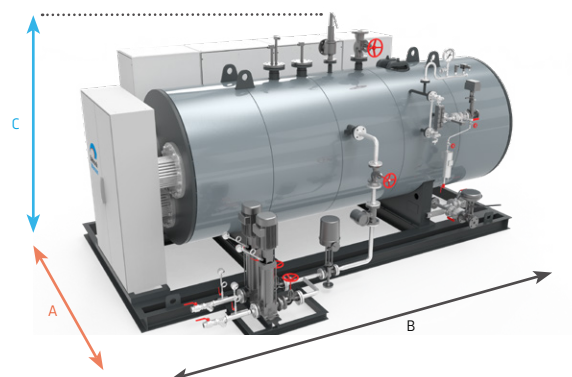
The e-Pack boilers consist of steel body with stainless steel immersion heaters, which offer numerous advantages in terms of performance, implementation and also for periodic maintenance operations. They are designed to allow both quick start-up and quick steam production, while protecting the immersion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

■ Reduced operating costs

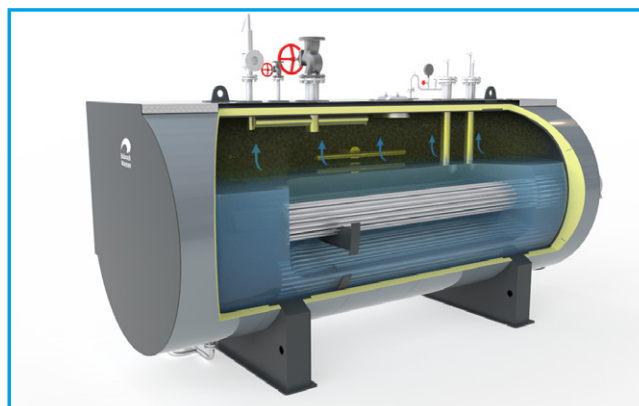
The control and instrumentation allow exclusive Babcock Wanson operating modes that adapt to the constraints of all industrial processes. The boiler is delivered with the **NAVENERGY** operating system which allows on-site and remote monitoring of operating parameters.

■ 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	500	720	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	12000	15000	17000
Steam Output ⁽¹⁾	Kg/h	500	720	1000	2000	3000	4000	5000	6000	7000	8000	9000	10000	12000	15000	17000
Power Output ⁽¹⁾	kW	350	500	700	1400	2100	2800	3500	4200	4900	5600	6300	7000	8400	10500	12000
Width A ⁽²⁾	mm	1500	1600	1900	2200	2600	2900	3000	2500	2900	2900	3000	3000	2600*	2700*	2800*
Length B ⁽²⁾	mm	4200	4200	4300	4800	4900	5000	5100	8400	8500	8500	8600	8600	8600	8600	8800
Height C ⁽²⁾	mm	2160	2160	2160	2370	2720	3120	3220	2720	3120	3120	3220	3220	3420	3520	3620
Weight fully flooded	Kg	2000	2200	3000	5400	8900	13900	15400	14900	22200	22500	25200	25900	29400	32400	35400

(1) Power output at up to 12 barg based on feedwater at 80°C.

(2) Overall dimensions include immersion heater and boiler mountings.

* Electric cabinet not included in the measurement

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.

