



# STEAMPACK

## FIRETUBE STEAM BOILER



### THE COMPLETE BOILER HOUSE SOLUTION STEAMPACK - STEAM OUTPUTS FROM 3500 KG/H TO 8000 KG/H

#### ENVIRONMENTALLY FRIENDLY

The SteamPack boiler from Babcock Wanson combines the best available technology in boiler design with very high efficiency resulting in low operating costs and reduced emissions.

#### ROBUST CONSTRUCTION FOR LONG LIFE

SteamPack boilers are three-pass construction and incorporate a water tube flue gas reversal chamber which provides natural water circulation in the boiler and results in an extremely robust design. This unique Babcock Wanson technology avoids any risk of tie rod stresses and ensures operational flexibility and unrivalled long-term efficiency and reliability.

#### OPTIMUM EFFICIENCY

The perfect match between the boiler and burner ensures reliable operation and reduced electrical demand due to low gas side pressure drop. Combined with a flue gas heat recovery system adapted to the process (economiser, combustion air preheater...) SteamPack boilers achieve optimum process efficiency throughout the firing range.

#### LOW FUEL CONSUMPTION

Dedicated burner combustion head designs linked to very high turndown ratios provide accurate control of excess air and minimum start/stop cycles. This ensures best possible performance across a wide operating range. Options are available for variable speed combustion air and feedwater drives to further reduce site electrical demand and improve overall efficiency.



RELIABLE &  
SAFE DESIGN



ENVIRONMENTALLY  
FRIENDLY



FLEXIBLE  
SOLUTION



FULL RANGE OF  
ANCILLARY EQUIPMENT

### WHY CHOOSE THE STEAMPACK BOILER FROM BABCOCK WANSON?

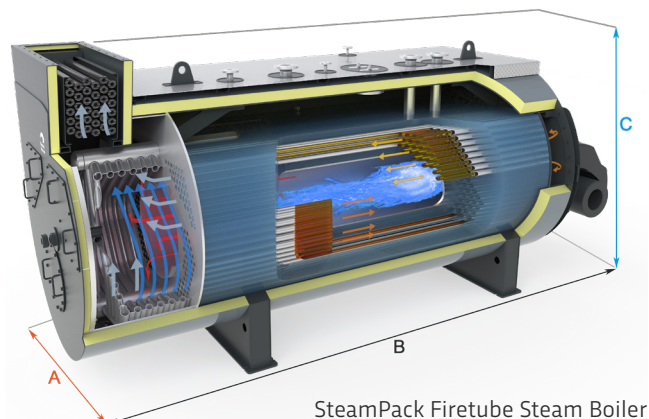
- High efficiency
- Low NOx burners
- High burner turndown ratios
- Electronic modulation control as standard
- Simple access for ease of maintenance
- Robust design for very long life
- Flue gas heat recovery
- Condensing economiser option
- Connectivity with our **NAVENERGY** system
- Combustion air pre-heater options
- Dual and mixed fuel firing options
- O<sub>2</sub> and CO trim options
- Simple 3 and 7 day unattended operation
- Complete steam system solutions

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## SIMPLE RELIABLE OPERATION

### Easy access

- The SteamPack design includes full access to front smoke and furnace tubes via large easy use doors. Rear tubeplate and furnace tube access is simple and complete due to the unique water tube reversal chamber which also minimises refractory requirements and eliminates complex tie rods.
- SteamPack standard construction includes an integrated high level access platform for simple, safe access and ease of maintenance and operation.



SteamPack Firetube Steam Boiler

### Reduced operating cost

- SteamPack boilers are fitted with comprehensive instrumentation and controls including Babcock Wanson's exclusive unattended operation modes.

### Remote Monitoring

- SteamPack is compatible with the Babcock Wanson **NAViNERGY** system which allows enhanced remote monitoring and maintenance scheduling.



SteamPack	model	3.5	4.0	5.0	6.0	7.0	8.0
Steam Output <sup>(1)</sup>	Kg/h	3 500	4 000	5 000	6 000	7 000	8 000
Power Output <sup>(1)</sup>	kW	2 675	3 067	3 808	4 592	5 340	6 139
Width A <sup>(2)</sup>	mm	2 450	2 450	2 650	2 650	2 950	2 950
Length B <sup>(2)</sup>	mm	6 300	6 300	6 850	7 000	7 520	7 520
Height C <sup>(2)</sup>	mm	3 400	3 400	3 550	3 550	3 850	3 850
Weight-fully flooded	Kg	13 000	13 000	18 000	20 000	24 000	24 000

(1) At 15 barg and feedwater at 80°C.

(2) Overall dimensions include fitted burner and boiler mountings.

For lower or higher steam output requirements please see our **NBWB**, **BWD**, and **BWR** range of steam boilers.

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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.

