

**NEWS  
RELEASE**



## **New Babcock Wanson TwinPack Twin-Furnace Firetube Boilers Combine High Efficiency with Low Emissions**

**Industrial process heating equipment and solutions specialist Babcock Wanson has launched the TwinPack range of twin-furnace firetube boilers for steam outputs from 30 t/h to 58 t/h, providing maximum efficiency with very low CO<sup>2</sup> and NO<sub>x</sub> emissions.**

With energy efficiency top of the agenda, Babcock Wanson has designed its Burner Management System and matched combustion head for precise control of excess air throughout the modulating range, and non-degraded operation at very low load. The simultaneous operation of the burners guarantees an exact thermal load distribution while ensuring maximum flexibility in operation and burner turndown ratios of up to 30:1 on natural gas (mixed and dual fuel firing options are also available). Efficiency can be further enhanced by up to 105% when a TwinPack boiler is specified in conjunction with a Babcock Wanson economiser and heat recovery system.

This precise match between the boiler and burners not only ensures optimal combustion, but also impacts emissions levels with TwinPack boilers boasting the lowest practicable CO<sup>2</sup> emissions. The specialist burner technology employed by TwinPack boilers also ensures very low NO<sub>x</sub> emissions to readily meet and often exceed environmental regulations.

A further environmental benefit to the TwinPack range of boilers is their long life. Featuring a tubular construction flue gas reversal chamber, unique to Babcock Wanson, TwinPack boilers do not require

furnace tube tie rods which require regular replacement, and minimises boiler refractory requirements. This design allows high variations of steam demand whilst minimising mechanical stress on the pressure body for a long, reliable operational life.

When maintenance is required, TwinPack boilers provide easy tubeplate and furnace tube access via large, easy use doors on the boiler front and lateral openings. A rear inspection port also provides enhanced access. An in-built upper platform provides safe access to boiler mountings and ease of maintenance and operation.

TwinPack boilers are fitted with comprehensive instrumentation and controls for easy and economic operation. These include the Navinergy system which allows local operation via the boiler HMI plus remote monitoring through a web interface, plus Babcock Wanson's exclusive unattended operation modes (three days, seven days and even 30 days of continuous operation within authorised limits).

Highly versatile, TwinPack boilers come with a range of options including economisers, combustion air pre-heaters, O<sub>2</sub> and CO trim and even superheater variants.

The TwinPack range of twin-furnace firetube boilers is the latest addition to Babcock Wanson's range of firetube boilers. In addition to these, Babcock Wanson offers a complete range of products and services for boiler houses and other process heating needs, including coil type steam generators, thermal fluid heaters, hot water boilers, VOC and odour treatment by thermal oxidation, water treatment and process air heating solutions. The company aims to help optimise customer's energy production with high quality products and efficient service.

For more information, please contact Babcock Wanson on 020 8953 7111 or [info@babcock-wanson.com](mailto:info@babcock-wanson.com) or go to [www.babcock-wanson.com/products/steam-boilers/twinpack/](http://www.babcock-wanson.com/products/steam-boilers/twinpack/)

