

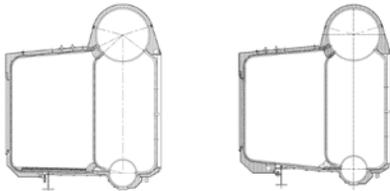
Package Boiler Retubing Services

Improved boiler performance | Experience you can trust

More than 5,000 units; 155 years of experience

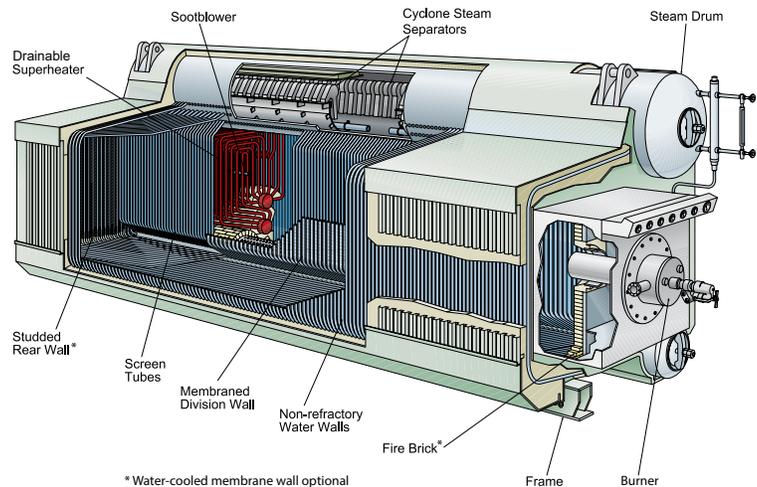
Babcock & Wilcox (B&W) is a global leader in supplying a wide range of industrial water-tube boilers to meet challenging and long-lasting operational and performance goals. Our industrial water-tube package boilers are custom-engineered to each project's unique specifications for varying inputs and desired outputs. Our designs feature the high levels of quality, reliability and efficiency for which B&W is known.

We apply that same knowledge and experience to boiler retubing projects which provide numerous benefits and advantages that smaller suppliers cannot match. While others most often provide repairs or replacements "in-kind" based on standard drawings which may not exactly reflect the tube arrangement, we can reference accurate, contract-specific drawings to verify design accuracy. We can also improve boiler operation and longevity with a wide range of potential design upgrades, making our retubing solution a superior long-term investment.



Available as an upgrade to flat furnace floors (left), B&W's sloped floor design (right) reduces installation costs and increases furnace heat absorption to reduce NO_x formation.

Don't let aging boiler components result in interruptions to your operation. Trust B&W to help keep your boiler assets operating at peak condition.



Design Benefits

B&W's standard retube offerings to fit existing configuration

- **Gas-tight membraned outer walls** – Inhibits dewpoint sulfur corrosion, hot spots and outages caused by flue gas leaks.
- **Solid membraned division wall** – Prohibits furnace gases from bypassing generating tubes, improving CO and NO_x emissions compared to flat studded walls.
- **Sloped furnace floor** – Eliminates floor brick resulting in capital savings on material and labor while eliminating future costs of floor brick maintenance. Additionally, increases furnace heat absorption to reduce NO_x.

B&W Benefits

- **Minimized downtime** – For boilers originally supplied by B&W, the availability of contract-specific design details enables fabrication and supply while the unit remains online, minimizing outage time and assuring fit-up in the field.
- **Performance upgrades** – Capability to provide upgraded designs to improve boiler performance.
- **Experience** – Engineering and manufacturing experience with thousands of boilers.
- **Fabrication options** – Domestic and international manufacturing capabilities to adapt critical project needs, such as lead time or lower cost, to supply the optimal solution.

continued ►

Services and Additional Offerings

- Field advisory services for startup, commissioning and operator training
- Equipment installation through B&W's subsidiary, Babcock & Wilcox Construction Co., LLC (BWCC), a single-source turnkey supplier of a full range of field construction, construction management and maintenance services.
- Innovative induction heat tube extraction (IHTE) process – reduces project schedule and cost, improves quality, and reduces risk exposure for enhanced safety
- Boiler retrofits and replacement parts
- Auxiliary equipment supply such as FPS® combustion equipment and Diamond Power® sootblowers
- Responsive global network of sales and field engineers to provide expert service and support



Our quality fabrication options include both domestic and international manufacturing capabilities to adapt critical project needs, such as lead time or lower cost, to supply the optimal solution.

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RENEWABLE | ENVIRONMENTAL | THERMAL

Established in 1867, Babcock & Wilcox is a global leader in renewable, environmental and thermal technologies and services for power and industrial applications.

For more information or to contact us, visit our website at www.babcock.com.