

# ECONOMIZERS FOR ALL APPLICATIONS



**Babcock Power**  
SERVICES

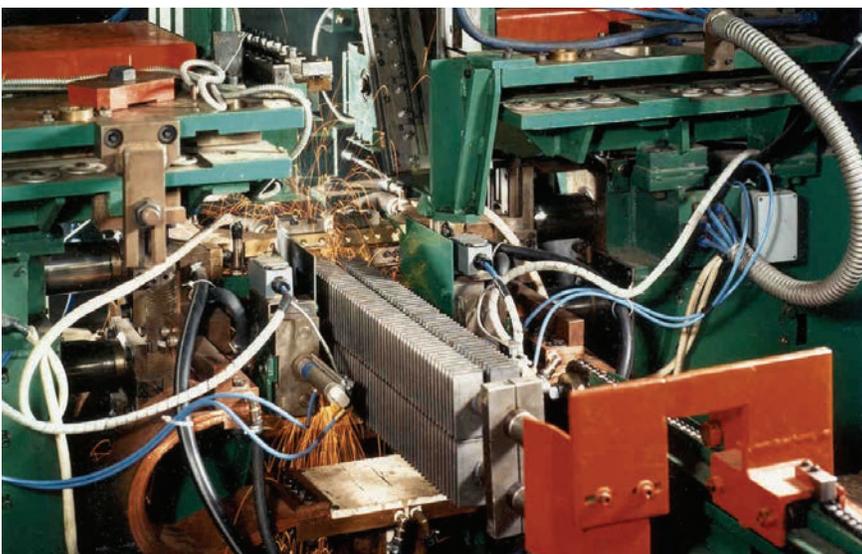
a Babcock Power Inc. company

## OVERVIEW

Babcock Power Services Inc., a Babcock Power Inc.® company, has roots that extend back to 1845 with the invention of the economizer by Edward Green. Today, Babcock Power Services integrates the extensive experience and knowledge of its renowned subsidiaries, Riley Power Inc. and Boiler Tube Company of America, to innovate exceptional economizers for almost any boiler regardless of fired fuel.

Experience, combined with the latest technology, surface materials and configurations provide the ideal match for very specific application requirements. Type of fuel and flue gas characteristics are considered, as well as the projected operating hours, operating load profile, available draft, potential for fouling, gas velocity and temperature, space limitations, and sootblower arrangements. A variety of heat transfer surfaces, including bare tube, continuous spiral fin, staggered and in-line arrangements are available. Additionally, Babcock Power Services is the only U.S. based company that can design and build steel and cast iron "H" fins.

Contact Babcock Power Services to design an efficient and cost effective boiler economizer for replacement of your existing unit or new installation.



## FEATURES / BENEFITS

- New or replacement units furnished for any OEM's steam generator, including sub-critical, supercritical, waste-to-energy, and fluid bed
- Experience with a wide range of fuels, including all types of coal, light and heavy oils, Orimulsion, natural gas, municipal waste, and biomass is applied in the design process
- Engineering, manufacturing, assembly and QC control are all available in-house ensuring that specifications and delivery goals are met
- Return bends are isolated from the gas flow, eliminating bend erosion leaks
- Manufactured in the USA





## IN-LINE "H" FIN DESIGNS OFFER COUNTLESS BENEFITS

- Particularly effective in applications with dust-laden flue gas
- Reduces turbulence and fouling of tubes
- Typically reduces gas velocities and tube erosion rates
- Offers the ability to vary fin spacing along the same tube to suit different ash burdens from front to back of the backpass
- Provides a more compact design with reduced pressure drop versus existing bare tube designs

SAFETY<sup>3</sup> PEOPLE. POWER. PROJECTS.

We're giving safety the third degree.

Babcock Power Inc. and its subsidiaries place the safety, health and security of our people at the core of our company values. Our team is our most valuable resource, generating solutions everyday to deliver safe, clean, reliable energy globally. With a keen focus on safety, Babcock Power Inc. conducts business in a manner that protects our people, our customers and the environment. From innovation to generation, we are proud of our award-winning safety record and are committed to operating with integrity and excellence.

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 Boiler Tube Company of America

 RileyPower