

LOW PRESSURE AND HIGH PRESSURE FEEDWATER HEATERS



TEi
a Babcock Power Inc. company

THERMAL ENGINEERING INTERNATIONAL (USA) INC. (TEi), a Babcock Power Inc.® company, is a leading supplier of heat transfer technology to the electric power generation and industrial markets. TEi designs and manufactures feedwater heaters for specific thermal conditions such as extreme superheat, abnormal flow conditions or dissipation of high-energy fluids. We draw on more than 100 years experience to ensure peak heater performance – from installation to testing, through full or part-load operation.

Additionally, TEi offers several design configurations for desuperheater and drains cooler zones, and the latest in channel closure techniques.



Feedwater Heaters



BENEFITS

Vibration analysis of desuperheating and drain cooling zones for normal and overload conditions

Efficient venting system

Numerous channel design option with gasketed or welded closure

Desuperheating zone is designed to provide maximum exit drywall temperature

Drain cooling zone is designed to provide low friction loss, conservative flash margin, rapid zone flooding and generous end plate thickness



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SERVING OUR CUSTOMERS

TEi provides feedwater heaters for conventional fossil generation, solar, biomass, nuclear, IPP/NUG/Co-Gen technology and programs utilizing advanced cycle configurations. TEi facilities are dedicated exclusively to the manufacture of heat transfer equipment for power plant and process industries. Our organization's advanced programs ensure compliance with the highest quality requirements at our U.S. facilities and licensed overseas operations.

LOS ANGELES HEADQUARTERS

Design teams provide integrated product engineering, resulting in single-point responsibility for design and manufacturing

JOPLIN, MISSOURI MANUFACTURING FACILITY

Equipped with sophisticated tooling necessary for the precise drilling of tubesheets and support plates. Large floor and lay-down areas eliminate assembly bottle necks and promote efficient material flow.

CERTIFIED SHOP PER THE FOLLOWING:

9001 : 2008

ASME Section I & Section VIII Division 1 and Division 2

Chinese Manufacturing License, PED, CRN

National Board U, S, R

Military Standards

IOCFR—Nuclear Non-Safety Related

AWARD RECIPIENT

SHARP (Safety & Health Achievement Recognition Program 2009–14)

FM Global Manufacturing Award of Excellence 2009

TECO Westinghouse Blue Diamond Award 2009

Deviation Management System tools to identify, record, analyze non-conformances and improve quality control system.



FULL RANGE OF HEAT TRANSFER COMPONENT SERVICES

- Feedwater heaters
- Surface condensers
- Moisture separator reheaters (MSRs)
- Heat exchangers
- Engineering & field services

SAFETY³ 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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