

# EXOTHERMICS TBR

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## HEAT EXCHANGERS

### **Exclusive tubular core design provides optimum heat recovery.**

Exothermics tubular heat exchangers are crafted from durable stainless steel. The quality of these materials, coupled with sound manufacturing techniques is what makes Exothermics TBR exchangers so efficient, resilient and virtually maintenance free. Every heat exchanger design is laboratory tested to ensure it meets design specifications and performance expectations.

Exothermics TBR heat exchangers are constructed with 1 inch (25 mm), 1.5 inch (38 mm) and 2 inch (50 mm) diameter tubes utilizing both staggered and inline tube patterns. The heat exchangers are fully welded, which virtually eliminates cross contamination. The options offered in materials of construction allow for an exchanger to meet the client's requirements up to 1600°F (870°C).

### **Engineered for Performance**

Our engineering team designs the right heat exchanger to suit each application precisely, delivering maximum process efficiency and short payback times for our customers.

Exothermics' proprietary tubular core design in which the placement of the heat recovery tubes assures a breakdown of air boundary layers in and around the tubes, thus creating a turbulent movement of the hot gas and process airstreams, resulting in more efficient heat transfer and optimum heat recovery.



### **Typical Applications**

- Fume preheating
- Thermal oxidizer
- Catalytic oxidizer
- Oven heat recovery
- Combustion air preheating
- Indirect process air heaters

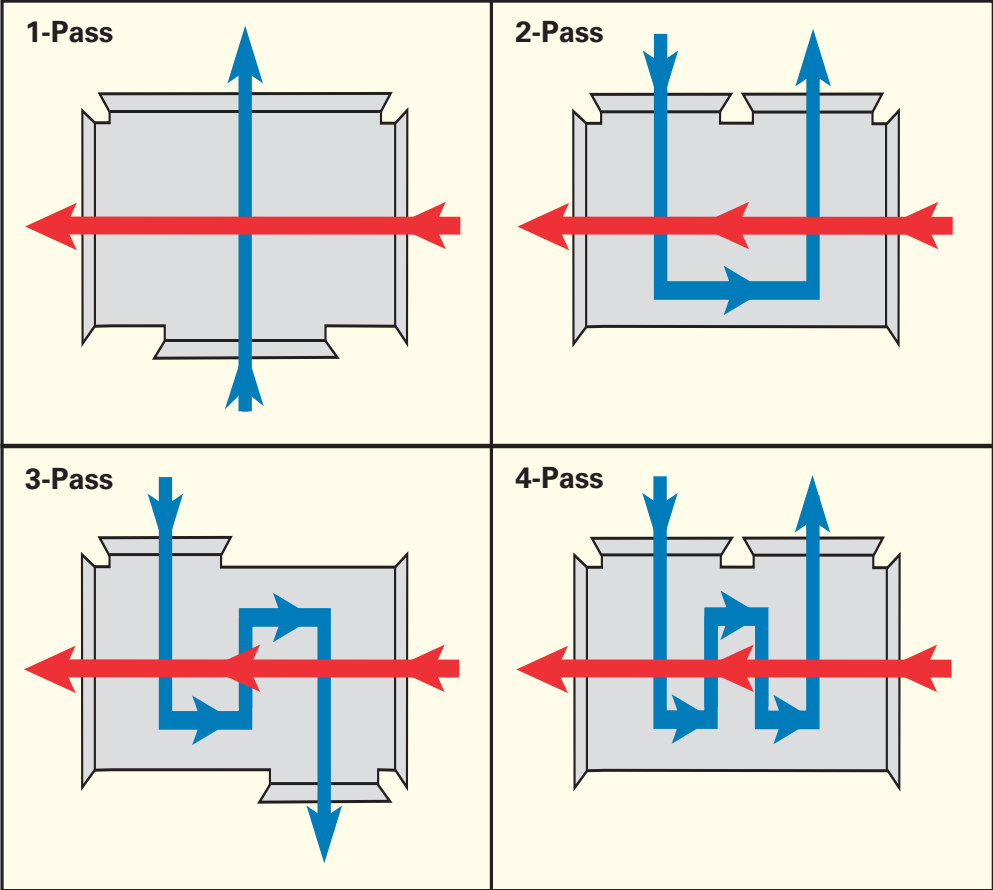
### **Features and Options**

- 304, 316, and 309 stainless steel construction for applications up to 1600°F (870°C).
- 1 inch (25 mm), 1.5 inch (38 mm) and 2 inch (50 mm) diameter tubes utilizing both staggered and inline tube patterns.
- Robust, all welded construction by AWS qualified welders under the supervision of an in-house CWI Weld Inspector.
- 4 customizable flow configurations.
- Available without insulation or with optional internal or external high temperature fiber insulation.

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### Flow Configuration Options



**EXOTHERMICS**  
World Class Heat Exchangers

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