

# EXOTHERMICS DSP HEAT EXCHANGERS

## **Featuring dimple plates and robust construction for industrial applications.**

Exothermics dimple plate heat exchangers are crafted from durable stainless steel. The quality of these materials, coupled with sound manufacturing techniques is what makes Exothermics DSP 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 DSP heat exchangers offer both staggered and inline dimple patterns. This design provides for highly efficient heat exchangers in both 0.5 inch (13 mm) or 0.375 inch (10 mm) plate spacing. The exchangers are fully welded which virtually eliminates cross contamination. Our design allows for an exchanger to meet the client's requirements up to 1200°F (650°C).

### **Typical Applications**

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

### **Custom Design**

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



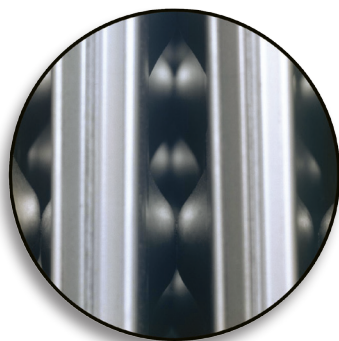
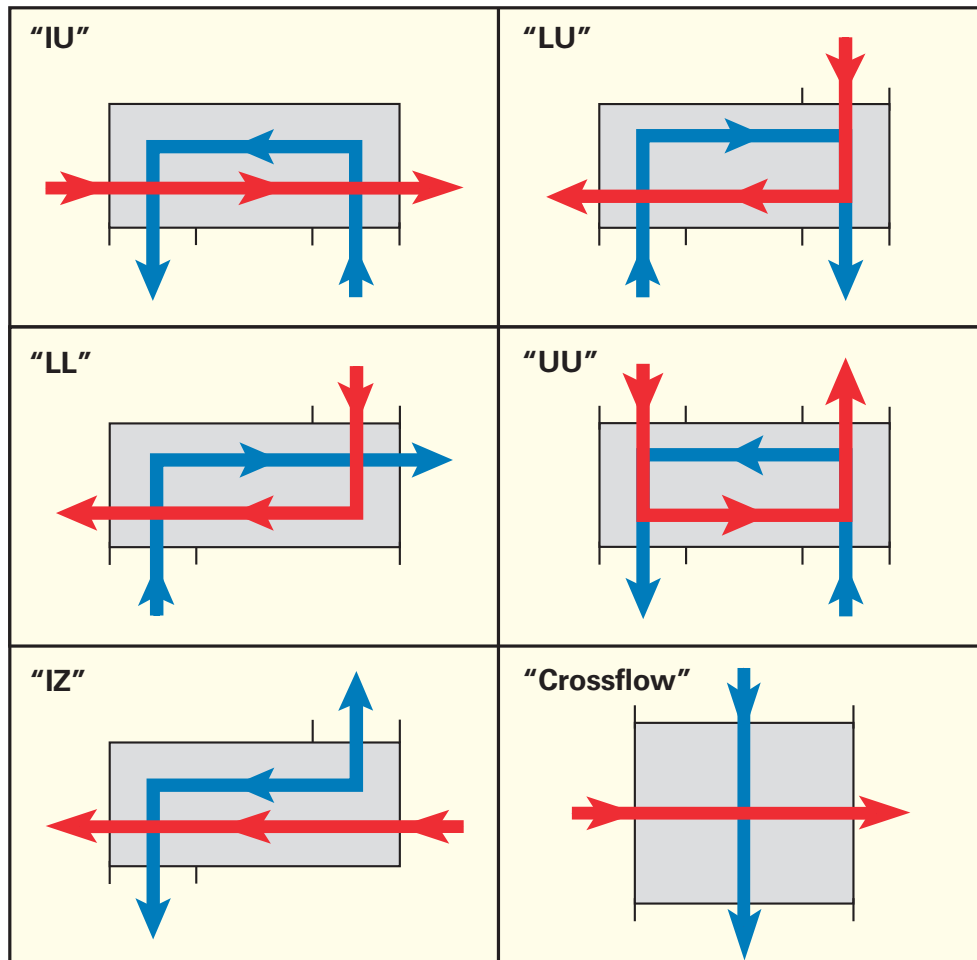
### **Features and Options**

- 304 stainless steel construction for applications up to 1200°F (650°C).
- Staggered and inline dimple patterns are available in 0.5 inch (13 mm) or 0.375 inch (10 mm) plate spacing.
- Robust, all welded construction by AWS qualified welders under the supervision of an in-house CWI Weld Inspector.
- Available with removable access covers or fully wrapped case.
- 6 customizable flow configurations.
- Available with optional external or internal insulation.
- Each unit is inspected through our ISO 9001:2008 registered quality system.

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## Flow Configuration Options



### **Dimple Plate Design**

A dimple plate heat exchanger is often specified for recovering energy from an industrial exhaust with temperatures up to 1200°F (650°C). The dimple plate design can be used for applications where the flows may include some particulate.



**EXOTHERMICS**  
World Class Heat Exchangers

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