

# EXOTHERMICS SP

## HEAT EXCHANGERS

### **Engineered for maximum heat transfer effectiveness and configuration flexibility.**

Exothermics stainless steel heat exchangers are crafted from durable stainless steel. The quality of these materials, coupled with sound manufacturing techniques, is what makes Exothermics SP heat 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 SP heat exchangers utilize a proprietary sinusoidal plate design. This design allows for a compact, highly efficient heat exchanger. The 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 1200°F (650°C).

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

### **Designed for Clean Operation**

SP heat exchangers utilize a proprietary sinusoidal plate design to minimize opportunities for airborne particulate to gather on the heat exchanger media.

### **Engineered for Performance**

High heat transfer effectiveness is achieved by corrugating the heat transfer plates to achieve our exclusive sinusoidal wave pattern. The corrugated surfaces create air flow turbulence as the air passes through the unit.



Heat transfer is further enhanced by using a counterflow design.

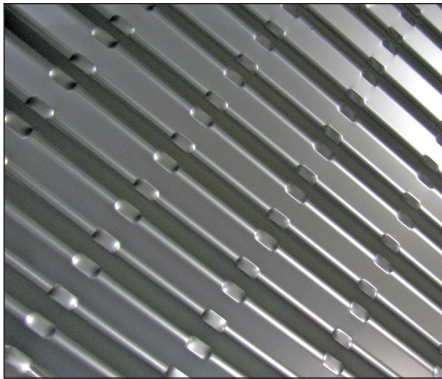
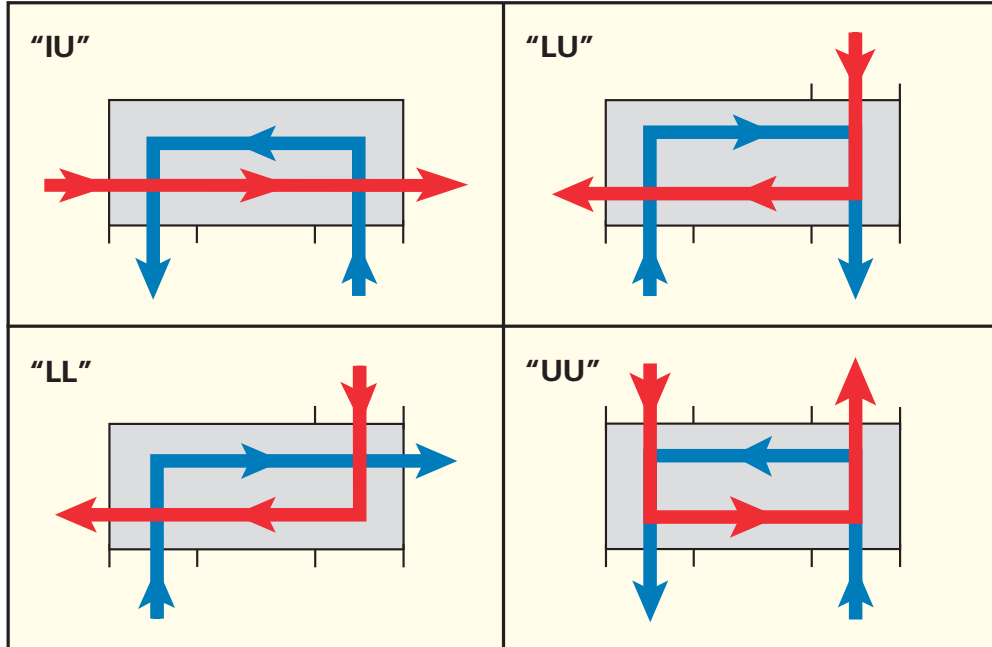
### **Features and Options**

- 304 stainless steel construction for applications up to 1200°F (650°C).
- 409 stainless steel construction for applications up to 800°F (427°C).
- The Standard Performance Series option is designed with 0.5 inch (13 mm) sinusoidal plate spacing.
- The High Performance Series option is designed with 0.375 inch (10 mm) sinusoidal 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 a fully wrapped case.
- 4 customizable flow configurations.
- Available with optional external or internal insulation.

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Maximum heat transfer effectiveness and configuration flexibility.

## Flow Configuration Options



### ***The Sinusoidal Plate Advantage***

Our proprietary plate design delivers maximum heat transfer while minimizing the accumulation of airborne particulate on the heat exchanger media. With Exothermics, you get the dual benefits of superior efficiency and clean operation.



5040 Enterprise Blvd.  
Toledo, OH 43612-3880  
(419) 729-9726  
Fax: (419) 729-9705  
[www.exothermics.com](http://www.exothermics.com)