



EXOTHERMICS, INC.

World Class Heat Exchangers

Stainless Heat Exchangers SP/HP

Stainless Models to Match Your Needs

Stainless steel heat exchangers are available in both SP and HP series and in a size and performance efficiency to match your specific application... whether an oven, dryer, or indirect heater. Our range of exchangers permits you to match the right exchanger and attain the optimum efficiency for your operation.

High heat transfer effectiveness is produced by corrugating the heat transfer plates to achieve a sinusoidal wave pattern. The corrugated surface creates air flow turbulence as the air passes through the unit. Heat transfer is further enhanced by using a counterflow design. Plate sizes vary from 12", 36", 42" and 48", with unit lengths of 50", 74" and 98".

As your process air enters the unit, it's directed over the corrugated plates counterflow to the heated air. Heat from the waste air is absorbed by the plates and transferred to the cooler airstream...then exits the unit as recovered heat you can reuse or recycle.

SP Series

The Standard Performance series has transfer plates spaced $\frac{1}{2}$ " apart. It combines a compact design with the structural integrity of stainless steel. The SP is available in two models:

- SP-VT models (Very High Temperature) models are all stainless steel, built to withstand airstream temperatures up to 1200°F.

- SP-HT (High Temperature) models feature stainless steel built to withstand airstream temperatures up to 1000°F.

HP Series

The High Performance series has transfer plates spaced $\frac{3}{8}$ " apart, providing a higher heat transfer than the SP series of the same size. The HP is available in two models:

- HP-VT (Very High Temperature) models are all stainless steel to withstand airstream temperatures up to 1200°F.
- HP-HT (High Temperature) models feature stainless steel plates to withstand airstream temperatures up to 1000°F.

Applying an SP or HP Heat Exchanger to Your Application

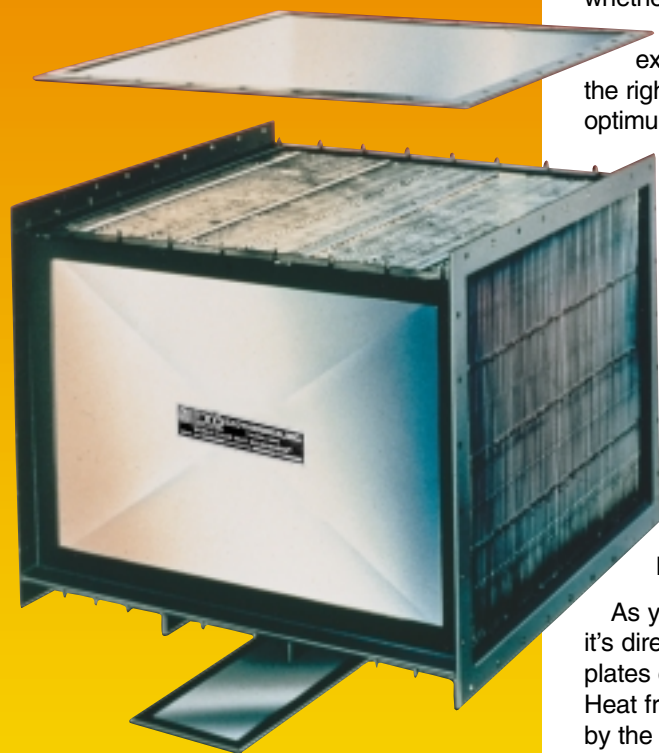
We begin by analyzing your application needs to determine what's required for maximum effectiveness. We gather and process data from you including hours of operation, fuel cost, air temperatures and air volumes. This results in a custom application analysis that offers you several options for efficiency and ROI.

Please call for no-obligation details on the Stainless Steel Heat Exchanger. We welcome your call.
1-800-662-3966

ISO 9001 Registered Quality System



World Class Heat Exchangers



Performance: Superior By Design

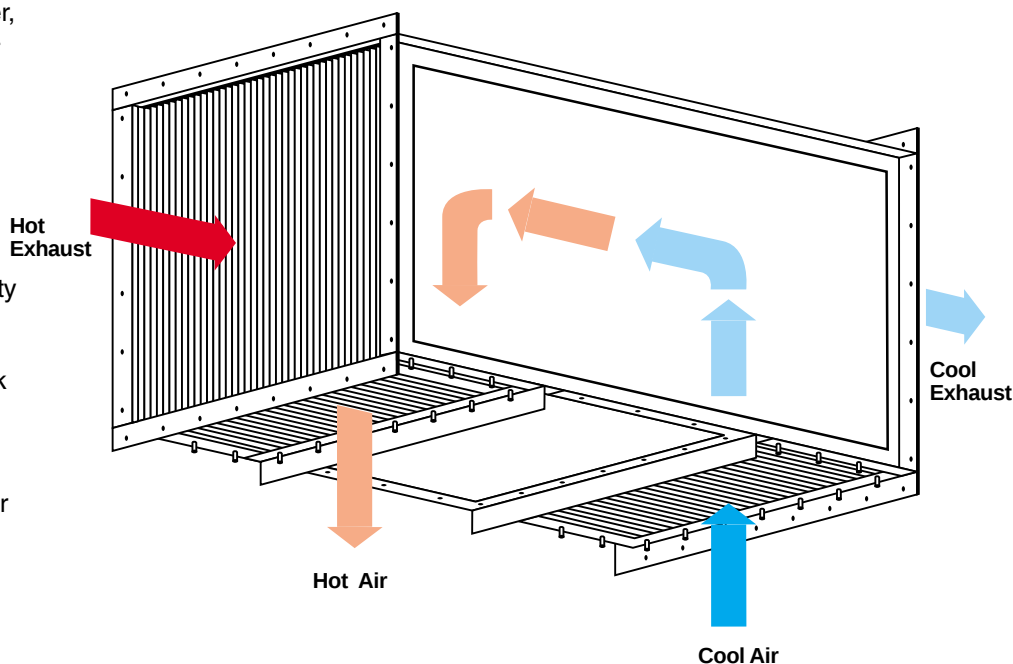
An Exothermics Overview

Exothermics has been the leading source of industrial heat exchangers for many industrial, OEM and end-user clients since 1976. This includes clients in the automotive, textile, plastic, chemical, food, graphic arts, paper, metal finishing, rubber, pollution control, process heating and many other industries. Applications include combustion preheat, indirect air heaters, heat recovery for ovens, dryers and furnaces, incinerators and general process heating.

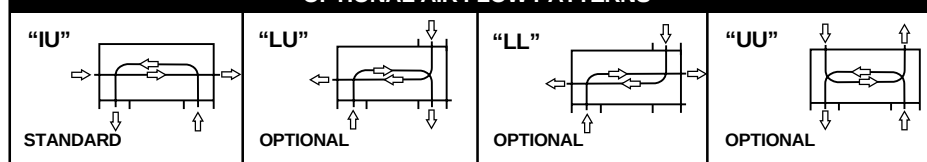
The high quality and structural integrity of our products has earned the trust and confidence of our customers... even in harsh environments. We seek long-term relationships with our customers. When we link Exothermics, our customer, and our suppliers, we can establish a relationship that better assures an optimum system for you.

Features include:

- Compact Counterflow Design
- Fully Welded Construction
- $\frac{1}{2}$ " and $\frac{3}{8}$ " Plate Spacing
- Removable Access Covers for Maintainability
- Heavy Gauge Stainless Steel Casing
- 3" x 3" x $\frac{1}{4}$ " Structural or Stainless Steel Flanges



OPTIONAL AIR FLOW PATTERNS



ISO 9001 Registered Quality System



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PF-6/97/SP/HP