

AIRTECH

BASCO

Schmidt



**STANDARD
HEAT
EXCHANGERS**

API Heat Transfer

...world leaders in heat transfer technology

API Heat Transfer



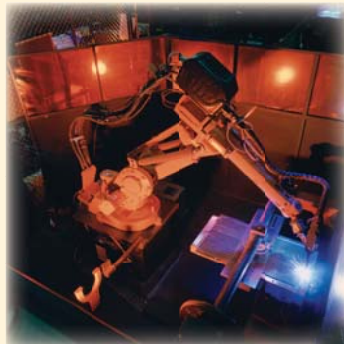
As one of the largest industrial heat transfer equipment designers and manufacturers in the world, API Heat Transfer is well positioned to meet our customers' requirements with one of the broadest range of products and designs from any single supplier.

API Heat Transfer combines experienced, dedicated personnel with world-class manufacturing capabilities to provide superior solutions on a global basis. We serve a vast array of markets with our standard heat exchangers. Our customers include OEM's spanning regional enterprises to major multi-nationals and End Users from the very small to the very large.

API Heat Transfer has the most respected family of brands in the industry. Our heat transfer lines include products that are famous for their quality and dependability. With a legacy of industry leadership that can be traced back more than 125 years, API Heat Transfer has the experience, know-how, and technologies to provide our customers the best value solution for their particular application.

Company Overview

AIRTECH



This pre-engineered package includes a vacuum brazed all-aluminum bar & plate core that provides superior durability in a cost effective, compact and light-weight construction.



Our line of Fan Cooled Heat Exchangers provide a reliable, self contained, and standardized solution for your cooling needs. These coolers are designed for remotely located applications where cooling water is not available or impractical.



Specifications

- Oil Cooler or Air Aftercooler
- 60 Hz AC, 50 Hz AC or DC fan motors available
- Designed for 400 PSIG at 250°F
- Fan guard and shroud for protection and safety

**Pre-Engineered
Self Contained
Dependable
Full Range**

Fan Cooled



The Basco Type 500 Shell & Tube Heat Exchanger offers the cost effectiveness that comes with having a standard design, while easily providing for various options to meet customer specific requirements. Units are available as Commercial Standard, ASME or ASME/TEMA-C. Complimenting our Type 500, is our new 500 ES Extended Surface Shell & Tube for increased shell side surface resulting in a smaller overall unit. Our HUB designs have shells available in brass or stainless steel, and come in a variety of tube materials for increased corrosion resistance. The HUB provides for greater surface area in a given shell diameter and reduces entrance velocity and pressure drop.



Industry Experience
Cost Effective
Fast Delivery
Custom Options

Specifications

- Straight or U-Tube
- Fixed or removable bundle
- Shell Materials: Steel, Stainless Steel, Brass
- Tube Materials: Copper, Admiralty, Stainless Steel and more
- Optional code compliant: ASME, PED, CRN, CML and more
- Stocking programs available globally

Shell & Tube

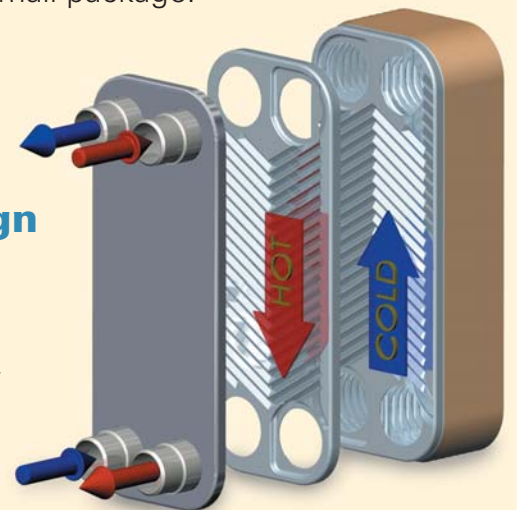


Our line of Braze Plate Heat Exchangers provide an ultra compact heat exchanger that is pre-engineered for quick delivery. These units are cost effective by design. They require less cooling water due to the extensive amount of surface in such a small package.

Compact Design
High Quality
Dependable
Fast Delivery

Specifications

- Stainless Steel Construction
- Copper or Nickel Braze
- Designed for 400 PSIG at 250°F
- Lightweight design for size and weight critical applications



Braze Plate

API Heat Transfer

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Divisions:

API Airtech ISO-9001 Certified

Air Cooled Aluminum Heat Exchangers

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Shell & Tube Heat Exchangers

Plate Heat Exchangers

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or API Heat Transfer directly

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e-mail: sales@apiheattransfer.com

Other Products Available from API Heat Transfer

Air-Cooled Heat Exchangers



High efficiency, brazed aluminum coolers for cooling a wide variety of liquids and gases with ambient air. Lightweight, yet rugged. Capable of cooling multiple fluids in single unit. Models can be supplied with cooling fan and a variety of drives.

Gasketed Plate Heat Exchangers



The Schmidt line of gasketed plate & frame heat exchangers provide excellent heat transfer in a compact space. Plates are pressed from stainless steel, titanium and other alloys. Gaskets of nitrile, EPDM, Viton®, compressed fiber and Teflon® are used. Capacities range from 0.5 to 10,000 GPM.

TEMA Shell and Tube



A wide variety of TEMA types are available using pre-engineered or custom designs in various sizes and materials. Shell diameters from 6" (15.24 cm) to 60" (152.4 cm), ASME, TEMA, API, ABS, TUV, PED and other code constructions available.

Pipeline Aftercoolers



Straight-tube, counterflow aftercoolers designed to yield cool, dry compressed air. Available with or without accompanying moisture separators and constructed to a wide variety of design codes. Diameters from 3" (7.62 cm) to 42" (106.68 cm).

PCR



Designed specifically for air dryer OEM's, the all-aluminum brazed PCR combines a regenerative economizer with a refrigerant cooling section and a built-in moisture separator to provide the most compact, efficient 3-in-1 heat exchanger available. Capacities from 76 to 600 SCFM @ 100 psi with exiting RH below 25%.

SigmaWig Welded Plate Heat Exchangers



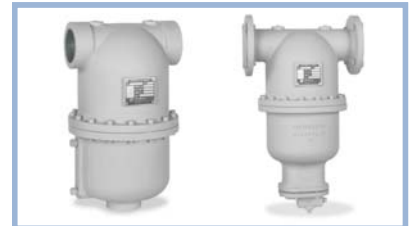
Fully welded and require no gaskets. Available in all 316SS construction, titanium and other higher alloy materials. These units have a design temperature of 750°F and can handle operating pressures as high as 360 psi with an ASME Code stamp.

Extended Surface



Unique, patented plate-fin design for centrifugal or axial compressor intercooler and aftercooler applications and minimal pressure loss. Design eliminates separators. ASME code design is standard. Diameters from 20" (50.8 cm) to 120" (304.8 cm).

Moisture Separators



Compact centrifugal separators efficiently remove entrained moisture and solids from compressed air or gas streams. Available in capacities from 22 to 4,000 SCFM, the Type TC comes with an integral trap assembly and the Type T is designed for a remote trap.