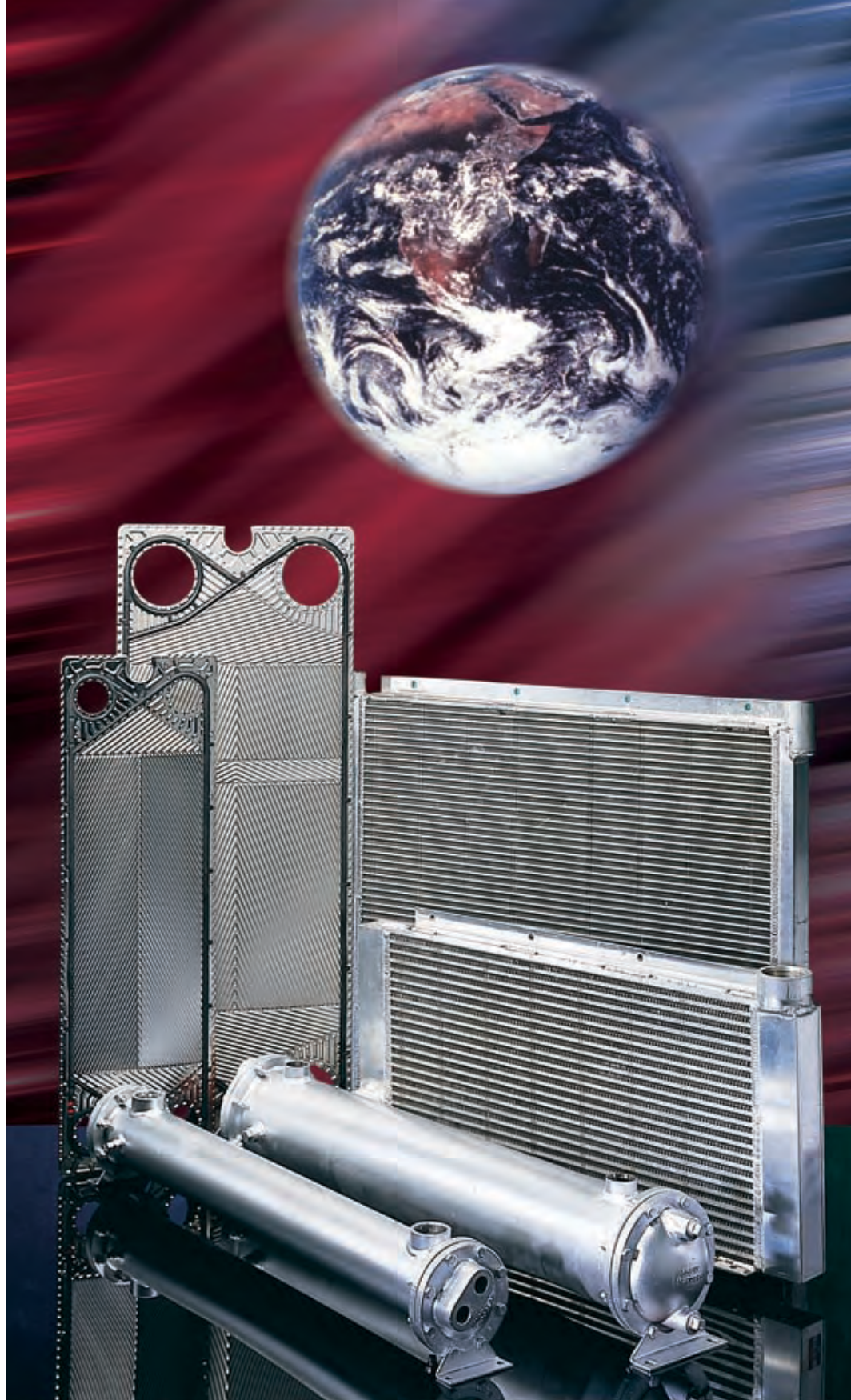


AIRTECH

BASCO

Schmidt

**WORLD  
LEADERS  
IN HEAT  
TRANSFER  
TECHNOLOGY**



**API Heat Transfer**

# API Heat Transfer

**A global leader  
in the supply of  
industrial heat  
transfer equipment.**

**From standard units  
to the most complex  
custom applications,  
no other company  
offers more.**

**AIRTECH**

**BASCO**

**Schmidt**

*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 ranges 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 either standard or custom designed 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 a family of brands that are the most respected 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.



Our company invests continuously to stay at the forefront of technology. We believe a strong focus on product development adds real value and distinguishes us from many other suppliers. By working closely with our customers, API Heat Transfer provides leading technology that optimizes thermal efficiency, pressure loss, size, and weight to provide our customers a competitive advantage.



We recognize the importance of quality both in our products and our service. That is why superior quality is an all-encompassing, company-wide attitude supported by the very latest processes and systems.



Experience has taught us that only by delivering exactly what you need, when you need it, at a good value, with exceptional service, using industry-leading designs made with superior quality, can we continue to be a world leader in heat transfer.



## Markets Served Include:

*Air Dryer*

*Air Separation*

*Beverage*

*Brewery*

*Chemical*

*Compressor*

*Dairy*

*Fluid Power*

*Food*

*Heat Recovery*

*HVAC*

*Hydraulics*

*Industrial*

*Marine*

*Off-Highway*

*Pharmaceutical*

*Plastics*

*Power Generation*

*Rail*

*Refrigeration*

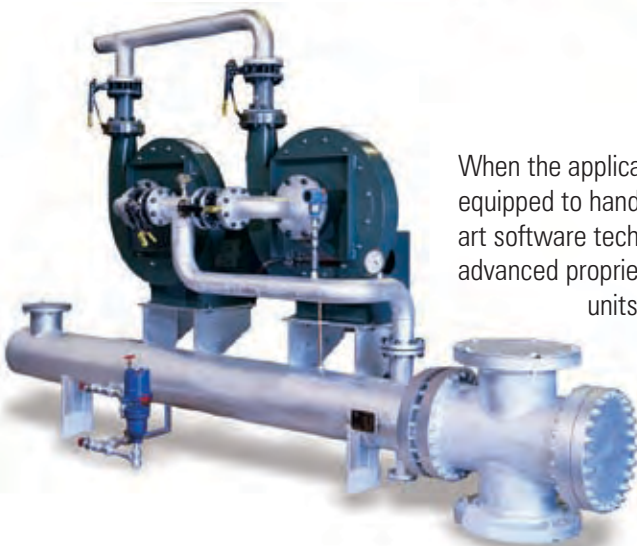
*Truck and Bus*

## Shell & Tube Technology

API Heat Transfer is your one source for Standard and Custom Engineered Shell & Tube Heat Exchangers, as well as our unique Extended Surface Plate Fin units.

For over 60 years, our Basco brand has been synonymous with quality and reliability. Basco Shell & Tube Heat Exchangers are used every day, year-in and year-out, in applications where the heat transfer performance is critical to the operation of other equipment.

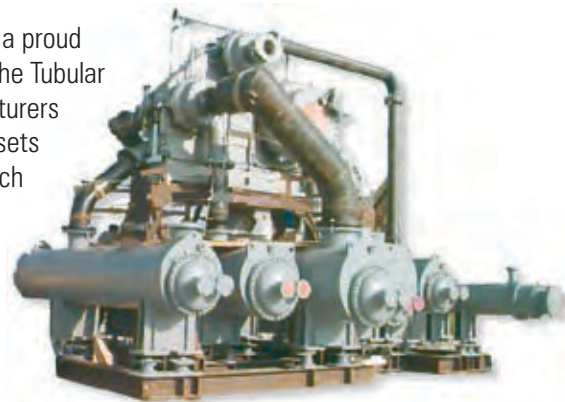
Whenever a Standard Product will meet our customer's requirements, API Heat Transfer offers a complete line of proven, pre-engineered, cost effective shell & tube designs.



When the application requires a custom solution, our experienced engineers are well equipped to handle the most difficult and challenging requirements. Utilizing state-of-the-art software technology including HTRI, B-JAC, Solidworks and FEA Analysis as well as advanced proprietary rating software developed in-house, we can design and manufacture units ranging from 3" to 120" in diameter.

Basco Shell & Tube Heat Exchangers are offered in a vast array of materials of construction and can be designed to virtually all pressure vessel regulations including ASME, PED, Chinese CML, as well as other regional codes.

API Heat Transfer is a proud member of TEMA, the Tubular Exchanger Manufacturers Association, which sets the standard by which virtually all custom shell & tube heat exchangers are manufactured.



**BASCO** 

## Air-Cooled Technology

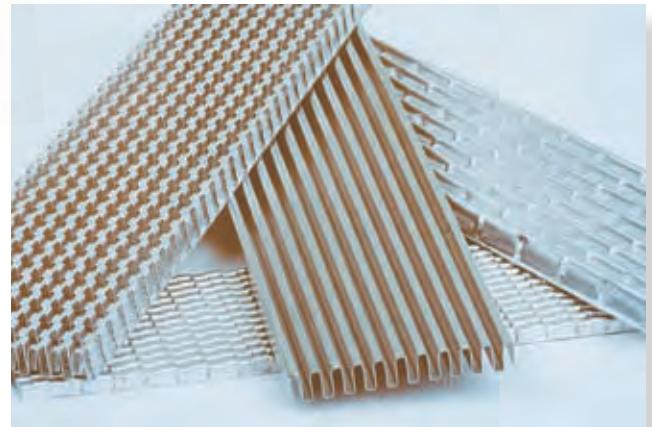
Our Airtech Vacuum Brazed Aluminum Bar & Plate Heat Exchangers offer unparalleled performance and proven reliability in a rugged, compact, light-weight package.

API Heat Transfer has been supplying our Airtech Coolers for over 20 years in some of the most demanding industries including Off-Highway, Truck and Bus, Performance Automotive Aftermarket, Compressor, Power Generation and Air Drying. Typical applications include engine oil cooling, hydraulic oil cooling, charge air cooling, radiators, transmission oil cooling, fuel cooling, compressed air inter-cooling and after-cooling, and our patented PCR<sup>®</sup> products designed specifically for refrigerant air drying.



Our all-Aluminum Brazed Bar & Plate designs incorporate a variety of high efficiency internal fins for maximum heat transfer with minimum pressure drop. Ambient air fins also come in a variety of patterns to match the operating environment.

Flexible construction allows an infinite number of core configurations and sizes to custom design a solution to our customer's exact requirements with minimal or no tooling costs.



API Heat Transfer also offers a line of Standard Air-Cooled units complete with fan, fan guard and motor. Configurable with a variety of standard options, these designs offer proven performance with quick deliveries.

**AIRTECH**

## Plate Technology

The Schmidt name traces its heat transfer roots back to 1879. Today, Schmidt continues to distinguish itself as API Heat Transfer's line of Plate Heat Exchangers and Thermal Process Systems.

Recognized for their thermal efficiency, innovative designs, and superior engineering, our Plate Heat Exchangers can be found in virtually every industry and in almost every country.

Customers have come to expect superior performance and exceptional quality from Schmidt Plate Heat Exchangers. API Heat Transfer offers a complete line of Gasketed Plate & Frame models as well as our SIGMAWIG all-welded units. Our worldwide sales and service network is supported by a team of experienced applications engineers and knowledgeable manufacturing personnel.



In addition to component Plate Heat Exchangers, API Heat Transfer engineers and assembles complete Thermal Process Systems predicated on plate technology. These include pasteurizers, evaporators, aroma recovery systems, dealcoholization plants and aseptic systems with fully automated controls. We work closely with our customers to design a flexible and reliable thermal processing plant that will ensure the safety and high quality of their products. Then we continue to support our customers with on-site installation supervision and system commissioning.



**Schmidt**

# Manufacturing Excellence

API Heat Transfer's manufacturing and fabrication resources are among the most comprehensive in the industry. Our skilled, highly trained workforce utilizes state-of-the-art technology and manufacturing processes to ensure high quality, dependable heat transfer equipment. These include advanced computer networks for design and engineering, CNC machining centers, automated welding systems, work cells and inventory management control systems.



API Heat Transfer is renowned for our design, manufacturing and delivery flexibility, enabling us to better meet the custom requirements of our customers.



## Our quality is second to none.

API Heat Transfer designs and manufactures the highest quality heat transfer equipment in the world. We have built our advanced quality program with ISO 9001 as the cornerstone.

Quality is an all-encompassing, company-wide attitude, supported by the very latest TQM programs, in-process SPC and other quality systems.

A superior level of service goes hand in hand with the quality of our products. Our technical support and service is customer-driven to meet the exact needs of your specific application.

At API Heat Transfer, it is not enough to say we are committed to quality. We prove it in every aspect of our business, every day. The best trained workforce. Superior products. Fast response and on-time delivery. First rate service and technical support. That is how API Heat Transfer remains at the forefront of the heat transfer industry.



# API Heat Transfer

API Heat Transfer Inc.  
2777 Walden Avenue  
Buffalo, New York 14225  
(716) 684-6700  
www.apiheattransfer.com

## Divisions:

### API Airtech ISO-9001 Certified

*Air Cooled Aluminum Heat Exchangers*  
91 North Street • P.O. Box 68  
Arcade, New York 14009-0068  
(585) 496-5755 • Fax: (585) 496-5776

### API Basco ISO-9001 Certified

*Basco®/Whitlock® Shell & Tube Heat Exchangers*  
2777 Walden Avenue  
Buffalo, New York 14225  
(716) 684-6700 • Fax: (716) 684-2129

### API Schmidt-Bretten Americas

*Plate Heat Exchangers and Thermal Systems*  
2777 Walden Avenue  
Buffalo, New York 14225  
(716) 684-6700 • Fax: (716) 684-2129

### API Schmidt-Bretten GmbH & Co. KG

*ISO-9001 Certified*  
*Plate Heat Exchangers and Thermal Systems*  
Langenmorgen 4  
D-75015 Bretten, Germany  
(49)725253-0 • Fax: (49)725253-200

### API Heat Transfer (Suzhou) Co., Ltd.

*Air Cooled Aluminum Heat Exchangers*  
*Shell & Tube Heat Exchangers*  
*Plate Heat Exchangers*  
156 Qingqiu Street, 3rd District  
Suzhou Industrial Park  
Suzhou, Jiangsu 215126 China  
(86)512-88168000 • Fax: (86)512-88168003

**Contact your local API Sales Representative  
or API Heat Transfer directly  
toll-free: 1-877-API-HEAT  
e-mail: sales@apiheattransfer.com**

## Facilities:



API Airtech facilities

API Airtech operates from an 80,000 ft<sup>2</sup> sales and manufacturing facility located in Arcade, NY, and is the leader in the design of brazed aluminum bar & plate air-cooled heat exchangers for industrial applications. Suitable for both air-to-air and air-to-liquid requirements, our vacuum brazed technology results in highly efficient, light-

weight, rugged and compact solutions proven to be reliable even in the most challenging operating conditions.

Specializing in both standard and custom Shell & Tube products, API Basco is a full-service manufacturer supplying solutions ranging from 3" to 120" in diameter in a wide variety of materials, designs and pressure code constructions. Our engineering and manufacturing personnel offer industry-leading experience. Located in an 80,000 ft<sup>2</sup> facility in Buffalo, NY, API Basco utilizes modern manufacturing equipment and processes to ensure the performance and longevity of every shell & tube heat exchanger we supply.



API Basco facilities

Our Plate Heat Exchanger technology is centered in a new 140,000 ft<sup>2</sup> facility in Bretten, Germany. API Schmidt-Bretten has over a 125 year history serving virtually every industry segment with innovative products and complete thermal systems centered around our Sigma line of Plates. With two modern plate pressing lines, API Schmidt-

Bretten supplies our customers on a global basis either directly or from one of our regional assembly and service operations.

API Heat Transfer (Suzhou) Co. Ltd. is our newest facility located in the Suzhou Industrial Park in China's Jiangsu province. With 82,000 ft<sup>2</sup> of manufacturing space, API Suzhou manufactures and supplies all of API Heat Transfer's three technologies. With the addition of our Suzhou facility, API Heat Transfer has greatly expanded our global production capacity and positioned us to better support our customers around the world.



API Suzhou facilities