

# DRIVING ENGINE EFFICIENCY



Heat transfer solutions for  
mobile and industrial engines.

# Comprehensive technologies. Extensive expertise.

API Heat Transfer is your global source for engine cooling solutions. With experience across a wide range of applications, and a global network of manufacturing facilities in the US and China, we're equipped to offer unparalleled engine cooling performance to meet the rigorous requirements of mobile and industrial customers worldwide.

API Heat Transfer has a legacy of innovation dating back to 1884 – and we've been designing cooling packages and components to meet unique specifications and keep engines thermally effective and running at optimal performance ever since.

API Heat Transfer offers an array of internal and external fin configurations that produce some of the most efficient air cooled heat exchange cores in the industry, so your engine has more power to perform. Ranging from aluminum to copper-brass and steel construction, our coolers utilize CAB and vacuum brazing, cupro braise, mechanical-bond, and soldered processes to provide the strongest materials for your application. The result is an engine cooling system designed and manufactured to ensure reliable operation, even under the harshest conditions.

For liquid cooled requirements, our shell and tube offering is one of the most diverse when it comes to materials of construction, flexibility in design,

reliability, and efficiency. Products are available in pre-engineered or custom designs, and in a variety of materials – including metals, composites, and special alloys when needed. Our flexibility guarantees optimal thermal designs that minimize operating costs and maximize reliability.

API Heat Transfer also offers a line of plate heat exchangers for liquid cooled applications beyond shell and tube technology.

At API Heat Transfer, we focus our engineering expertise on the markets you serve. By understanding your customer applications, we're able to offer a broad spectrum of components and complete engine cooling systems designed to fit the needs of engine markets across the world – whether mobile or stationary, on land or in the water, in plant or underground. We take a global view of your business, offering local service and support, and are dedicated to engineering solutions that deliver on budget, time, and performance.



## Market focus.

- Mobile (on- and off-highway)
- Power generation
- Oil and gas
- Compressor
- Rail
- Marine



## Our technologies.

API Heat Transfer offers the broadest, most complete air cooled product lines available.

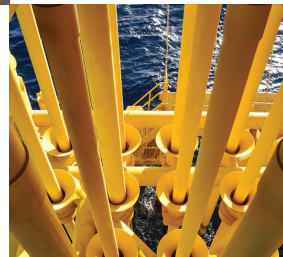
- CAB or vacuum-brazed aluminum
  - Bar-plate
  - Micro-channel
  - Tube and fin
  - Tube and header
  - TBAR
- Copper-brass
  - Cupro braze
  - Mechanical-bond
  - Soldered
- Tube plates
  - Brass
  - Stainless steel
  - Steel

Shell and tube products are available in prime and externally enhanced fin surfaces.

- Shells of aluminum, steel, stainless steel
- Tube sheets of naval brass, Cu-Ni, stainless steel, steel
- Tubes of Cu-Ni, copper, admiralty, stainless steel


## Our products.

- Engine cooling systems
- Radiators
- Air cooled charge air coolers
- Water cooled charge air coolers
- Oil coolers
- Remote cooling kits
- Condensers
- Fan-cooled units
- Axle coolers
- Sand blast grids
- Shell and tube heat exchangers
- Plate heat exchangers







**API Heat Transfer**, a family of high-performance brands 

## High-performance heat transfer.

It's who we are and what we do. It's part of our 140-year heritage designing and delivering world-class heat transfer products for nearly every industry. It's bolstered by our worldwide network of manufacturing facilities that provide sales, service, and support. And it's ingrained in a process that has helped customers around the world for nearly a century and a half.

When you work with us, you'll find the performance of our technologies sets the bar for heat transfer products, and our relentless drive to find and create custom heat transfer solutions to meet any industry challenge sets us apart.

## See how our performance can improve yours.

Contact your API Heat Transfer sales rep or visit [apiheattransfer.com](http://apiheattransfer.com) today.

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#### Buffalo Facility

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+1.716.684.6700

#### Iron Ridge Facility

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Iron Ridge, WI 53035, USA  
+1.920.387.4200

#### Franklin Facility

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Franklin, WI 53132, USA  
+1.414.761.4500

#### Racine Facility

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