

HEAT EXCHANGER

PRODUCT OVERVIEW



An industry leader in the design and manufacturing of air-cooled heat exchanger solutions.





We focus on custom engineered heat exchanger systems for industrial and energy applications. Engineers turn to us for unique system-level thermal management challenges—where off-the-shelf products are insufficient.

In addition, we also specialize in air cooled heat exchangers for high-demand applications in oil & gas, energy and heavy equipment applications. Engineers choose our solutions for robust designs capable of handling harsh duty cycles, extreme ambient temperatures, and variable loads.

Strategic Advantages

- Trusted for more than 140 years
- Crafted in the United States
- Global presence with strong local service and sales coverage
- Broad, single-source product portfolio
- Custom engineered, system-level and component solutions
- Versatile mobile and stationary application capabilities
- Proven performance in demanding engine applications
- Engineering, application, and ETO expertise
- Industry-leading product development, simulation, and testing
- Rapid prototyping and collaborative design capabilities
- Flexible low- to mid-volume manufacturing
- World-class lean manufacturing, quality, and delivery
- Market-focused, customer-centric approach
- Digital tools enabling ease of doing business
- End-to-end lifecycle support from design to aftermarket
- Close customer partnerships across the lifecycle
- Heat exchanger repair and remanufacturing services



Turnkey Radiators



Aluminum Oil Coolers



Aluminum Charge Air Coolers



Aluminum Radiators



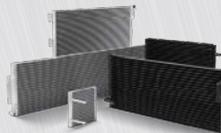
Bar-Plate and T-Bar Aluminum Heat Exchanger



Cooling Module



V-Bank



Parallel Flow Condensers



Copper-Brass Radiator



Frac Pumper and Remote Cooling Module Cube



Remote Cooling Kits



Air Cooled Systems



Water Cooled Charge Air Coolers



PCR



Power Converter Coolers

Tech Center



Our Tech Center capabilities include:

Performance Validation and Enhancement

- Performance testing of new or existing designs with service fluids including Water and Glycol
- Bench test comparison testing between API Heat Transfer designs and designs by other manufacturers
- Test facilities for Pasteurization, Evaporation and Dealcoholization running with original customer's products

Buffalo Lab

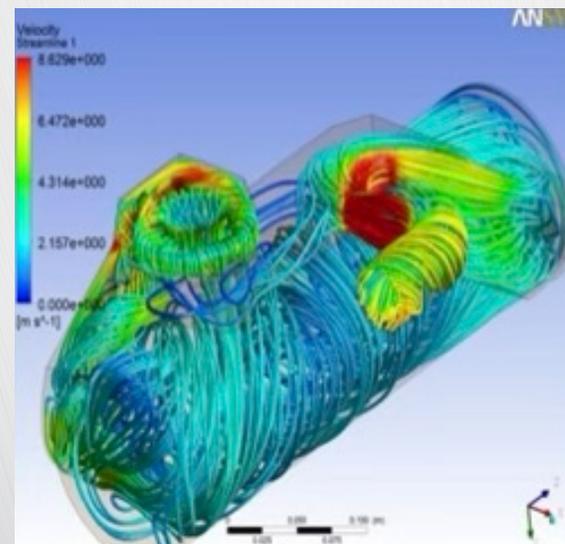
- Calorimetric Performance Testing
- Pressure and Thermal Cycle Testing
- Computational Fluid Dynamics (CFD)
- Thermal Contact Resistances Measurement

Bretten Lab

- Single phase flow stands for thermal performance and pressure drop testing
- Pilot plants
- Utilities

Our fully equipped multiple-disciplinary Technical Centers in Buffalo, NY and Bretten, Germany are available for expert application engineering, metallurgical and analytical support. Working with our customers and OEMs, we provide heat exchanger performance modeling, performance analysis and mechanical testing.

- Integrated heat transfer performance test platform.
- Sophisticated laboratory analytical services providing metallurgical, chemical and polymer analysis using EDS x-ray, FTIR and DSC, as well as a wide array of mechanical and material properties analysis.
- Durability, life cycle and corrosion testing platforms to validate designs and optimize materials and performance.
- Providing the technology and expertise to support the development of new products to meet the current and future needs of our customers.



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Trusted advisor for all our customer's heat exchanger needs high quality, optimized engineered solutions

Data Center Cooling	Off-Highway	On-Highway	Electric Power Generation	Oil & Gas	Rail - Locomotive	Defense & Military
						
<p>Applications</p> <ul style="list-style-type: none"> Immersion Single Phase Immersion Two Phase HVAC Data Center Crypto/bitcoin mining Direct-to-Chip Liquid Cooling Air Cooling - White Space Power/Genset 	<p>Applications</p> <ul style="list-style-type: none"> Construction Forestry Ag Ground Support Material Handling/ AWP Marine engines Compressors Air Dryers 	<p>Applications</p> <ul style="list-style-type: none"> Transit Bus Refuse School Bus RV Specialty Vehicles Fire Trucks ICE Engine cooling EV Vehicles 	<p>Applications</p> <ul style="list-style-type: none"> Standby power Prime power Continuous Power Portable gensets Welders Light Towers 	<p>Applications</p> <ul style="list-style-type: none"> Fracking, Drilling & Exploration Offshore rigs Power Generation 	<p>Applications</p> <ul style="list-style-type: none"> Freight locomotives Passenger locomotives MOW equipment (Maintenance of Way) R&R 	<p>Applications</p> <ul style="list-style-type: none"> Engine cooling Power gen Armored Vehicles Fighter Vehicle Troop Transport Environmental Control Units Heavy Equipment Transport

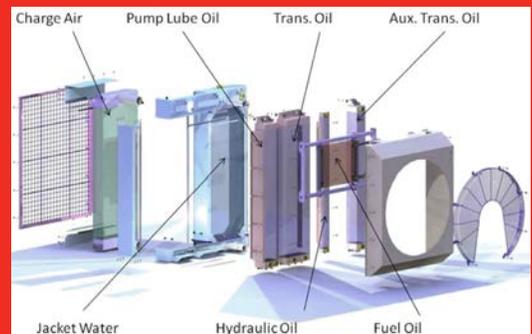
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API Heat Transfer, a family of high-performance brands