



**EXPERTS IN HEAT
TRANSFER SINCE 1923**

GENERAL PRODUCTS



Founded in 1923, Aerofin is a leading manufacturer of finned tube heat exchanger coils and heat transfer equipment and accessories, such as process gas coolers/heaters, transformer oil coolers, fan/coil units, face and bypass coils, frames for coil removal capabilities, and airside transitions.

For nearly 100 years, Aerofin has been an industry leader in supplying fin-tube heat exchangers and other heat transfer equipment.

Who We Are...

Aerofin products serve a variety of industries including HVAC, fossil fuel power generation, nuclear power generation, industrial process, pulp and paper, automotive, and petrochemical. Applications are evaluated using the latest Windows-based performance and sizing software, which accommodates nearly any heat transfer medium. Coils are designed and fabricated to virtually any

size and configuration using a wide array of construction materials. Additionally, all products can be designed and constructed to the stringent requirements of the ASME code.

Aerofin has the specialized knowledge and experience to design and fabricate heat exchangers to meet the most rigorous performance and durability requirements.



API CE CRN





INDUSTRIAL PROCESS – PETROCHEMICAL
HVAC – PULP & PAPER – AUTOMOTIVE
FOSSIL FUEL POWER GENERATION
NUCLEAR POWER GENERATION

Starting with the broadest fin surface capabilities in the industry, Aerofin offers three plate fin surfaces (flat, star, and wave) and a wide array of spiral wrapped fin surfaces (edgewound, L-foot, embedded, extruded, and welded). Each of these may be produced using a variety of materials to meet specific application needs such as (but not limited to) aluminum, copper, carbon steel, and stainless steel.

Aerofin also offers a wide choice of tube materials. From copper and copper-nickel tubes utilizing brazed joint construction to carbon and stainless steel tubes with welded joint

construction, Aerofin has the ability to meet the most severe requirements. Even materials such as Aluminum and AL-6XN are no problem for our experienced welders.

Our capabilities and experience also allow for many different styles of header designs to fit your specific needs and application. Whether it is a standard pipe header allowing for maximum flexibility in the coil design, or a plugged box header where each tube can be cleaned individually, or a completely removable header plate for maximum cleanability, Aerofin can design and manufacture what you need.

FAST FACTS

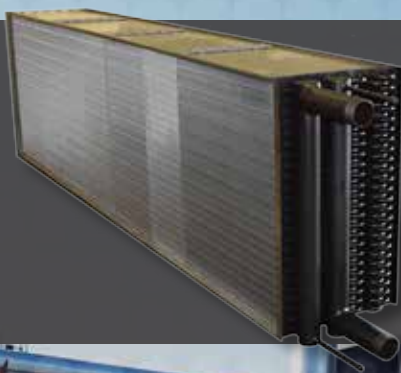
- First Nuclear application in 1966
- ASME Section VIII U-Stamp holder since 1953
- Over 25 products AHRI certified
- Worldwide installations
- 165,000 sq. ft facility in Lynchburg, VA
- Plate and Spiral fins available
- Full-time ANI on site



HVAC

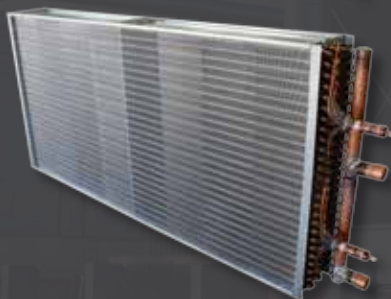
INTEGRAL REHEAT COIL

Chilled water cooling coils designed to dehumidify as well as cool air.



EVAPORATOR COIL

Copper tube and Aluminum fin evaporator designed for face split control on dual circuited refrigeration applications.



STEAM DISTRIBUTING COIL

Steam Distributing (non-freeze) coils designed with tube in a tube construction.



AEROMIX™ FACE & BYPASS COIL

Hot water or steam preheat coils with bypass dampers in both vertical and horizontal designs.



COMMERCIAL / REPLACEMENT



SPLIT-FIT™ COIL

Cooling coil with modular construction allowing easy installation in tight spaces, with Copper fin, Copper-Nickel tubes, and Copper-Nickel headers.



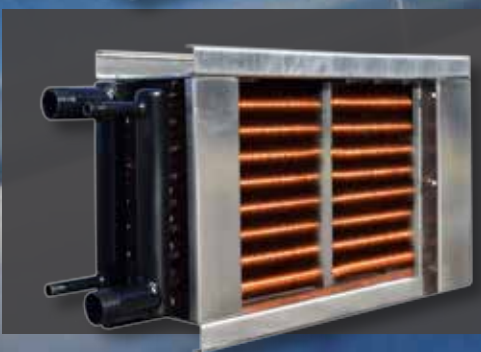
WATER COIL

Standard water coil construction with Copper tube and Aluminum fin. Construction shown with copper tubes and aluminum fins but can be built with a variety of material choices to suit the application.



FLEX STEAM COIL

Steam coils designed with independent, curved tubes allowing the coil to expand and contract internally, accounting for thermal expansion while maintaining connection locations.



SPIRAL FIN WATER COIL

Water coil constructed with Copper tube and spiral fin allowing for variable tube spacing



INDUSTRIAL

BARE TUBE COIL

Bare tube construction for applications where using fins could cause severe clogging.



OIL COOLING

Plug box header construction allows for easy cleaning of each individual tube.



REMOVABLE HEADER COIL WITH SOLDER COATED FINNS

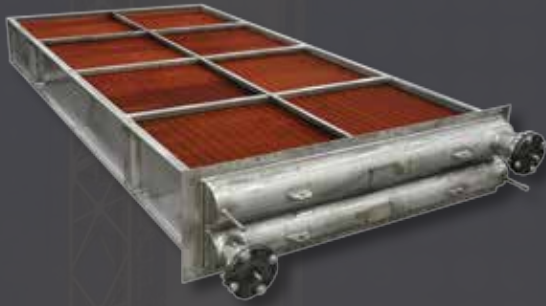
Removable Carbon Steel Headers on both ends of the coil, constructed with solder coated Copper tube and fins.



STAINLESS STEEL WATER COIL

Welded tube construction using Stainless Steel tubes and headers used in corrosive environments to prolong the life of the coil.





LARGE RETURN BEND STEAM COIL

Triple-circuited steam coil utilizing 1" stainless steel tubing and copper plate fins.



STEAM COIL TRANSITION UNIT

Transition with multiple coils designed with the capability to add a coil for additional capacity.



HEAVY DUTY MULTIPLE COIL TRANSITION UNIT

Duct access panels and removable core design to facilitate cleaning and maintenance with an ASME code stamped transition.



MOTOR COOLER

Coils and transitions designed to cool high horsepower motors.



POWER GENERATION

STEAM COIL WITH HOUSING

Carbon Steel welded joint construction with Aluminum spiral wrapped fins in a Carbon Steel frame.



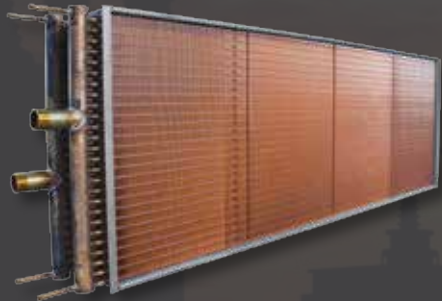
SLIDE-OUT HOUSING

Stainless Steel frame designed for easy removal of coils.



TURBINE INLET AIR COIL

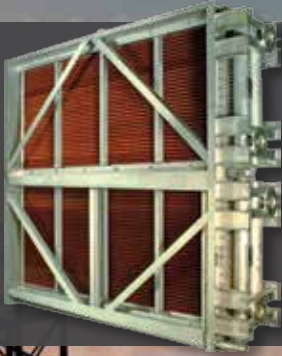
Large coils used to cool intake air of gas turbines.



COMBUSTION PRE-HEATING STEAM COILS

Bank of three coils designed to be stackable used to pre-heat combustion air at coal fired power plants.





ASME-NPT STAMPED EXTERNAL FRAMES

Dual water coils with Copper tube, Copper spiral fin and Stainless Steel headers designed to be removable from an NPT-stamped Stainless Steel frame.



AUTOMATIC BACKWASH STRAINER

These self-cleaning particle strainers can provide cost effective continuous protection for downstream equipment and can be built new or existing units can be refurbished.



SHELL & TUBE HEAT EXCHANGER

Shell & Tube heat exchanger with Copper-Nickel tubes and Carbon Steel shell coated on the interior.



REMOVABLE HEADER COIL

Removable Stainless Steel headers on both ends of the coil, constructed with Copper tube and Copper plate fins.



CUSTOM UNITS

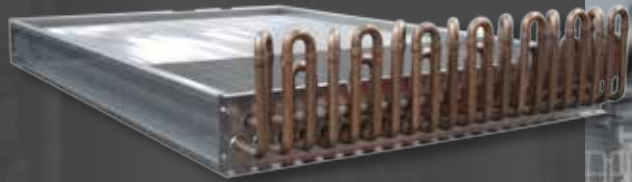
SPRAYGUARD™ MOISTURE ELIMINATORS

Sprayguard™ controls the discharge of moisture from coils without restricting airflow.



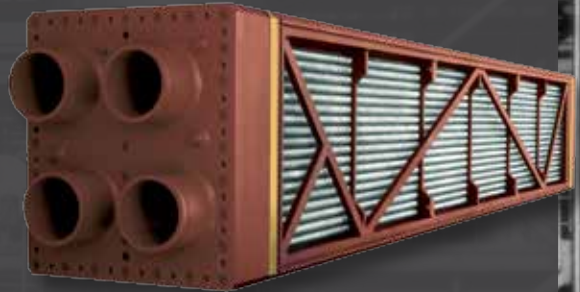
CUSTOM BRAZING

Custom brazed Copper-Nickel return bends meeting a customer specific requirement.



HYDROGEN COOLER

Hydrogen coolers employ water to cool the hot hydrogen gas produced inside of large-scale turbine generators.



EXTREME DUTY COIL

Coils designed and built to withstand rigorous shock and vibration requirements.





KNOCK OUT TANK

Stainless Steel knock out tank used for moisture separation.



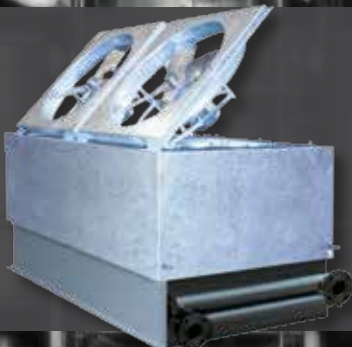
PIPING SKID

Fabricated piping skids with all the required components for steam and water coils.



AIR COOLER

Units where structures, fans, and motors are added to the coil when more than just a coil is needed.



TRANSFORMER OIL

High temperatures of transformer oil reduces efficiency and causes premature failure, these coolers reduce operating and capital costs.



Founded in 1923, Aerofin is a leading manufacturer of spiral and plate fin heat exchanger coils and related heat transfer equipment such as process gas coolers/heaters, transformer oil coolers, air coolers, face and bypass coils, external frames, and airside transitions.

Aerofin's home office and manufacturing plant has been located in Lynchburg, Virginia since 1966. With a facility size of over 165,000 square feet, Aerofin is able to supply any custom finned tube heat transfer product required.



PHONE
(800) 237-6346



LOCATION
4621 Murray Place
P.O. Box 10819
Lynchburg, VA 24506



EMAIL & WEB
info@aerofin.com
www.aerofin.com

