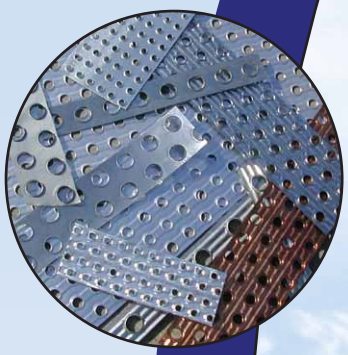
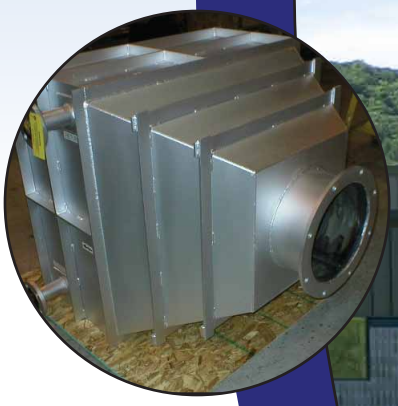
IHT®



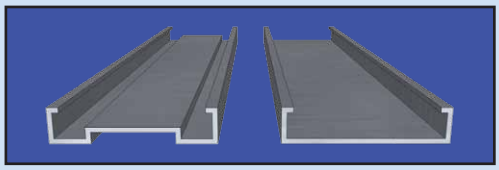


Industrial Finned Tube Heat Exchanger Coils

Southgate Process Equipment, Inc.
87 Hickory Springs Industrial Dr.
Canton, GA 30115
Phone: (770) 345-0010
Email: Sales@southgateprocess.com
Website: www.southgateprocess.com

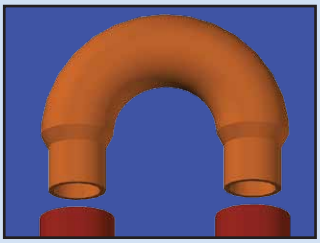
Southgate
Process Equipment, Inc.

The IHT Advantage



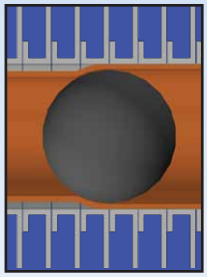
Durable Formed Casing:

Coil casings are die formed for high structural strength and rigidity. Carbon steel, galvanized steel, and stainless steel are standard casing materials of construction. Other materials are available.



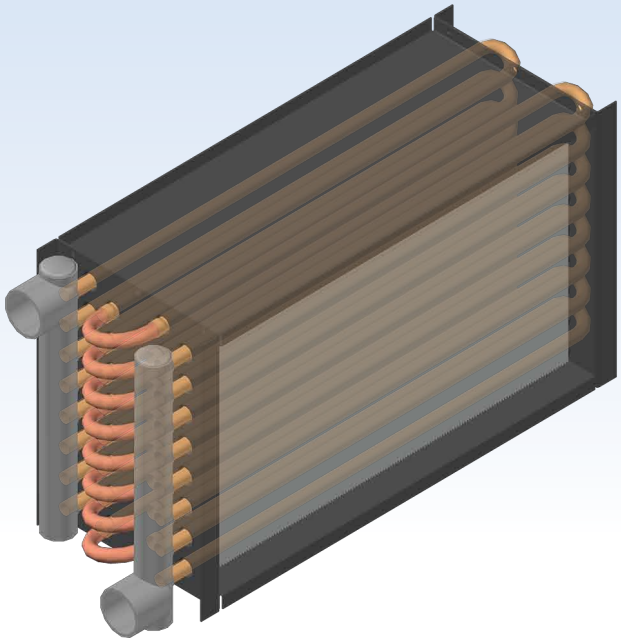
Permanent Tube Header Joints & High Pressure U-Bends:

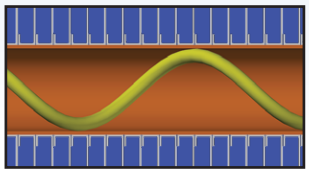
Work hardened tubes are rolled or bushed into the headers or tubesheets. All coils with tube and pipe headers have silver brazed or welded joints. U-bends are designed for permanent union and are die formed to provide a generous brazing collar. High temperature brazing alloys and welding fillers are used to withstand high pressures and corrosion potential.



Mechanical Fin-Tube Bond That Lasts:

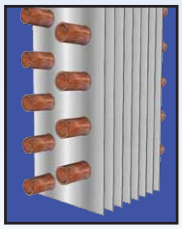
A permanent fin-tube bond and high transfer efficiency are both ensured by hydrostatically driving an oversized metal ball through the coil tubes. This expands the tube into the fin collars locking a mechanical bond that will last the life of the coil.





Turbulators:

They are the alternative to multicircuiting of fluid. They cause mixing at lower fluid velocities and enhance the fluid heat transfer coefficient with less than half the pressure drop of half circuited coils.



Continuous Plate Fins:

Our fins are strong continuous plates that do not easily bend and keep the tubes in place. Both flat and wavy type fins are available in 25 different configurations. Many fin materials and thicknesses are available.

Design Codes:

U R CE CRN ABS

Optional Features:

- Outer and Gas Tight Casings
- High Pressure Designs
- High Temperature Designs
- Ducting Transitions
- Tube Materials Choices
- Fin Material Choices
- Fins with Tube Pitch Pattern Choices
- Paint and Coating Choices
- Custom Designs
- Hydrostatic Testing
- Custom Configurations
- Drain Pans
- Material Certifications
- Turbulators
- Tubesheet Material Choices
- Cleanable Tube Designs
- ASME Code Stamp
- Header Material Choices

Air Tight Casings and Transitions:

IHT also offers leak-proof, air tight casings, including designs with removable coils. Casings are usually made of Galvanized or Stainless sheet metal and keeps gases from either entering or leaving the duct.

Pressure retaining circular duct transitions can either be welded or bolted to the air tight casing. Circular flanged connection points act as easy junctions to existing duct lines.

Coil Applications

CUSTOM DESIGNS FOR ANY APPLICATION

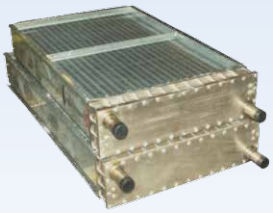
Turbine Inlet Cooling


Fan Cooled Units


Intercoolers & Aftercoolers


Waste Heat Recovery


Motor / Generator Coolers



Marine Environments


Steam Coils

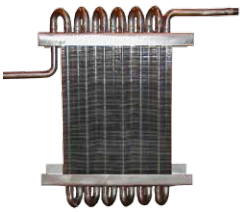
Transformer Oil Coolers

Military Specification

MIL-SPEC

AND MORE...

- Ovens, Dryers, and Furnaces
- Food Processing
- Pulp & Paper Manufacturing
- Standard OEM Designs


Typical materials of construction include:

FINS:
- Aluminum
- Copper
- Stainless Steel
- Carbon Steel

TUBING:
- Copper
- Stainless Steel
- Carbon Steel
- 90/10 Cupro-Nickel
- Red Brass
- Aluminum
- Inconel
- Admiralty

Other materials and applications are available.

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