



Industrial Heat Exchangers

If it has to be perfect, it has to be

SUPER

OVERVIEW

SRC plate fin and spiral wrap style industrial heat exchangers can handle high temperatures, high pressure & corrosive environments. Our in-house experts design each product to meet your exact specifications, and our demanding standards - we believe **it has to be Super.**

Applications & Products

SRC Engineers design each industrial heat exchanger to meet and exceed customer specifications utilizing a wide selection of fin and tube patterns to maximize heat transfer surface for thermal requirements.

Air Dryers
Air Preheaters
Carbon Capture
Compressed Natural Gas
Economizers
Engine & Turbine Exhaust
Ethanol Production
Fluidized Bed Dryers
Heat Recovery
High Pressure Aftercoolers
Motor & Generator Coolers
Natural Gas Coolers
Overhead Stripper Condensers
Pollution Control
Primary Air Coolers
Process Cooling / Refrigeration
Process Heaters
Rotary Kilns
Steam Coil Air Preheaters
Superheaters
Turbine Inlet Air Coils
Waste Heat Recovery

Certifications



Featured Working Fluids



Steam



Water



Refrigerants



Glycols /
Glycol Mixtures



Thermal Oils



Compressed Gas

MATERIALS

Our customers demand quality and performance.
That's why we build our coils using only the best materials.

Common Materials

- Carbon Steel
- Stainless Steel
- Cupro-Nickel
- AL6XN®
- Hastelloy
- Monel
- Chrome Molybdenum
- Titanium
- Other customer specified materials

Tube & Pipe Sizes

Continuous Plate Fin Tube OD:
Up to 1"

Spiral Wrapped Finned
Tube OD: Up to 2"

Tube-Side Enhancements

Turbulators:

- Ball
- Matrix
- Spring
- Twisted Tape

Coatings

- E-Coat
- Heresite/Baked Phenolic
- Blygold
- Aluminized Carbon Steel
- Electropolish
- Electro Powder
- Hydrophillic
- Hydrophobic
- Hot-Dip Galvanized
- Iridite
- Microbial
- Other customer required coatings



Fin Size & Materials

Fin Type	Description	Aluminum	Copper	Carbon Steel	Stainless Steel	Alloy Steels
Continuous Plate	Flat Fin	●	●	●	●	●
Continuous Plate	Corrugated Fin	●	●	●	●	●
Continuous Plate	Sine Fin	●	●	●	●	●
Continuous Plate	Raised Lance	●	●			
Continuous Plate	Louvered	●	●			
Spiral	L-Foot / Edge-Wound	●	●	●	●	●
Spiral	Embedded Fin	●	●	●	●	●
Spiral	Welded / Brazed Fin		● Brazed Only	●	●	●

INDUSTRIAL PROJECTS



*Questions about our
engineering, materials, or
production capabilities?*

*Scan to learn more about our
Industrial Heat Exchangers*





Turbine Inlet Air Cooling Coils for Power Plant

Featured Capabilities

- › Pitched design
- › Fully drainable 14-row coils
- › Progress photos and documentation for customer



Dedicated assembly space



Specialized design and materials



On-site engineering support



Multiple coil shipments



Air Heater for Material Processing Plant

Featured Capabilities

- › 12 gauge stainless steel casing
- › Coils slide out for cleaning
- › Air tight housing
- › Integral drain pan for cooling coil
- › Air filter access door



Stainless steel tubes



Multi-part assembly coordination



Dedicated engineer throughout process

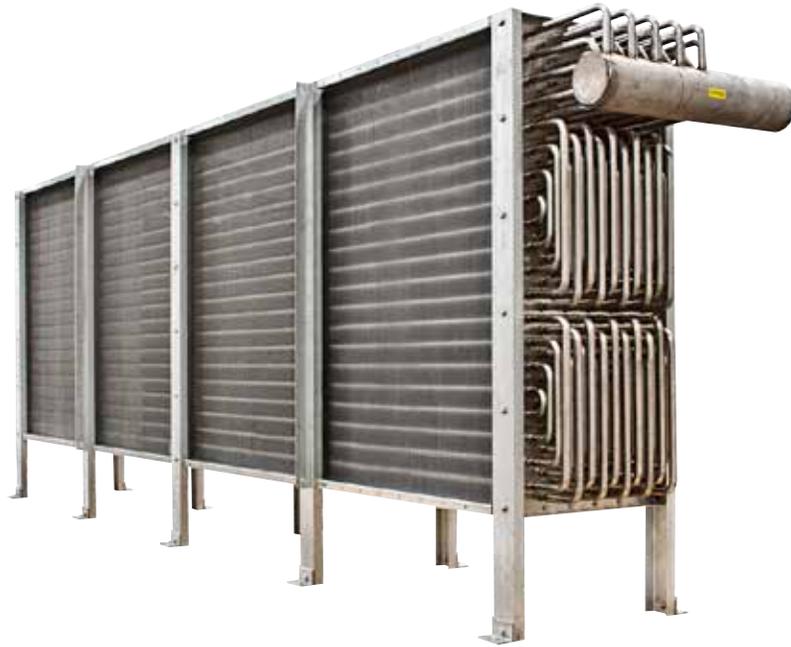


Water Coils for Coal Ash Cleaning Process

Featured Capabilities

- › Expedited delivery of 32 bare tube coils in one order, completed in 45 weeks per customer's schedule
- › Optimized manufacturing processes





Industrial Refrigeration Condensers

Featured Capabilities

- › Aluminum fin with stainless steel tubes
- › These condensers can serve: ammonia applications, service applications, multi-zone distribution centers & cold storage facilities
- › Customizable to meet any customer's requirements





Water Coils for Testing Facility

Featured Capabilities

- › Stainless steel tubes & headers
- › Aluminum fins
- › High flow multi-pass design
- › Custom pipe head configuration



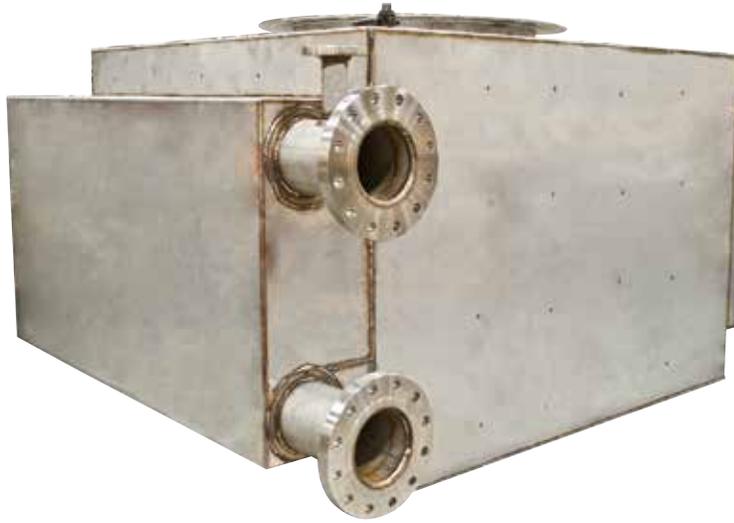
Dedicated assembly space



Specialized design and materials



Multiple Coil Shipments



Economizer for Heat Recovery

Featured Capabilities

- › 8 row, 316 SS combination design of bare tube & spiral wrapped fin tube
- › Exterior housing contains 12" thick ceramic fiber insulation to fully encapsulate heat exchanger
- › Gas stream is maintained at 1,800°F



Before exterior housing was completed



Stainless steel tubes



Ceramic fiber insulation

HEADERS

Pipe Headers

Utilized in a wide range of pressures and applications. Pipe headers can be the most cost-effective type of manifold. Well suitable for high temperature and high pressure designs.



Water Box with Removable Cover

This header type has a removable cover to enable inspection, cleaning and plugging of inner tube walls. The design is suitable for users concerned about corrosion or fouling in their operation.



Half Pipe “D Style” Headers

A less expensive configuration compared to the plug box and removable cover water box, which allows for multiple serpentine circuiting for selected applications. Users may consider this type of header if operating with clean fluids which do not require regular service intervals.



Plug Box Header

This header configuration allows for individual tube cleaning and inspection. Users should consider this type of header if they are concerned with fouling of the tubes and want minimal downtime.



TESTING

Available Testing & Verification Services

NDE: Non-Destructive Examination Available

- › Liquid (Dye) Penetrant
- › Radiography
- › Magnetic Particle
- › Visual Examination
- › Ultrasonic Testing

PMI: Positive Material Identification

Request a quote

industrial.hx@superradiatorcoils.com



Central

104 Peavey Road
Chaska, MN 55318
(952) 556-3330

East Coast

451 Southlake Blvd.
Richmond, VA 23236
(804) 794-2887

West Coast

2610 South 21st St.
Phoenix, AZ 85034
(602) 257-9708



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www.superradiatorcoils.com