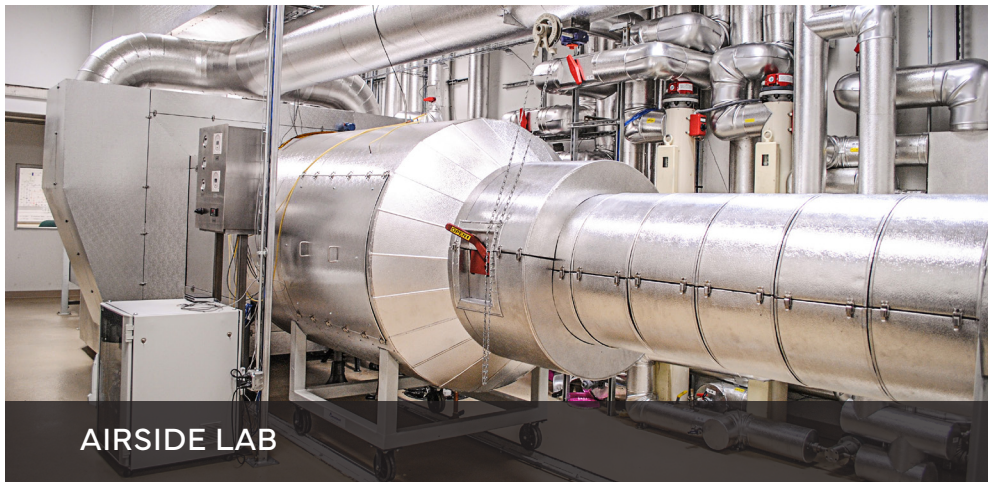


A NEW ERA OF
THERMAL SCIENCE

THERMAL INNOVATION CENTER



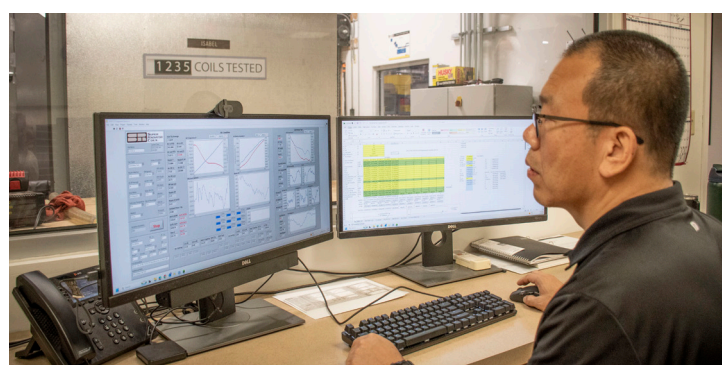


AIRSIDE LAB

GROUNDING IN THEORY. PROVEN IN PRACTICE.
A HOLISTIC LOOK AT YOUR COIL'S PERFORMANCE.

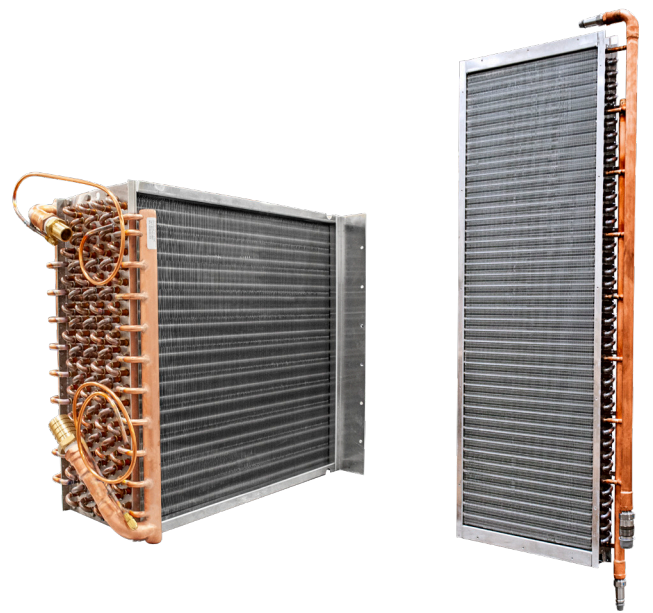


TUBE-SIDE LAB



Validated performance data. Pioneering experimental research. Prototype development. ***Our Thermal Innovation Center is a unique facility with two laboratories capable of scrutinizing existing heat transfer theory and using that data to build a better heat exchanger.*** It's innovation - in theory and in practice. For applications that demand the best cooling equipment, our Thermal Innovation Center provides real-world performance data - from your specific coil - with accuracy ratings with margins of error as low as 1%. Your cooling equipment is critical. With SRC, we can prove it's protected.

The tube-side section of our Thermal Innovation Center is where we determine the tube-side heat transfer and pressure drop characteristics under single-phase convective flow, evaporation, and condensation conditions for selected working fluids. By combining this data with your airside performance data, we're able to accurately model your coil's entire performance, giving you a complete picture of what you can expect from your equipment and the peace of mind that your equipment will be cooled effectively.



AIR-SIDE TESTING CAPABILITIES

SEPARATE FLUID TESTING LOOPS	Water / Glycol / Oil / Steam / Refrigerants / Other Fluids
AIRFLOW	100 - 8,500 cubic feet per minute
HUMIDITY	from 20% - 95%
ENTERING WATER TEMPERATURES	up to 180°F (82°C)
ENTERING GLYCOL TEMPERATURES	from 20°F to 200°F (-6°C to 93°C)
MULTITHERM OIL TEMPERATURES	up to 400°F (204°C)

TUBE-SIDE TESTING CAPABILITIES

TUBE O.D. FOR TESTING	5mm, 7mm, 5/16", 3/8", 1/2", 5/8", 7/8", 1"
TYPICAL TEST REFRIGERANTS	
PURE REFRIGERANTS	R-22, R-134a, R-32, R-1234ze, R-600a, R-290
REFRIGERANT BLENDS	R-124, R-404a, R-407c, R-407f, R-410a, R-422b, R-438a, R-448a, R-449a, R-454b, R-450a, R507a, R508b, R513a, R-1233zd(E)
SUPERCRITICAL REFRIGERANTS	R-744 (CO ₂)

Supporting your mission-critical applications with uncompromising heat transfer equipment informed by empirical data and real world experience.



SRC'S
THERMAL
INNOVATION
CENTER

CONNECT WITH US!



@SuperRadiatorCoils



Super Radiator Coils



Super Radiator Coils



@SuperRadiator

West Coast

4712 South Ellsworth Road
Mesa, AZ 85212
(602) 257-9708

Central

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

East Coast

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

www.superradiatorcoils.com