

WIND TUNNEL TEST LAB



COILS / INDUSTRIAL HEAT EXCHANGERS / NUCLEAR PRODUCTS

Overview

Purpose

Located in Super Radiator Coils' Richmond, Virginia facility, this state-of-the-art wind tunnel test lab is capable of handling a wide range of airflows, temperatures and fluids. Super Radiator Coils utilizes this lab to prove new concepts and technology, verify coil performance, ensure that the Super Radiator Coils' Enterprise coil selection program is up to date and validate customer designs under their specific condition.

Performance Testing

A-Frame Coils

Coated Coils

Condenser Coils

Evaporator Coils

Fluid Coils

Freeze Block Coils

Heat Recovery Economizers

Natural Convection Heat Exchangers

Steam & Steam Distributing Coils

Capabilities



Airflow from 100 – 8,500 cubic feet per minute
(0.05 – 4.00 m³/s)



Separate fluid testing loops for: Water, Glycol, Oil, Steam,
Refrigerants, and Other Fluids



Air temperature from 23°-140°F (-5° C – 60° C)



Entering Water temperatures up to 180°F (82°C)



Humidity from 20% - 95%



Entering Glycol temperatures range from 20°F to 200°F
(-6°C – 93°C)



Steam pressures from 15 - 150 psi

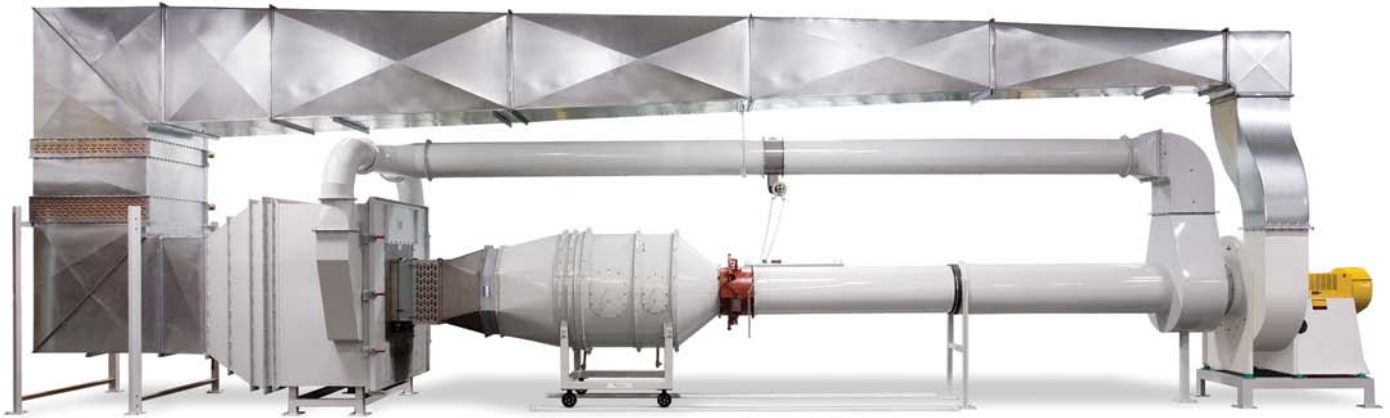


MultiTherm Oil temperatures up to 400°F

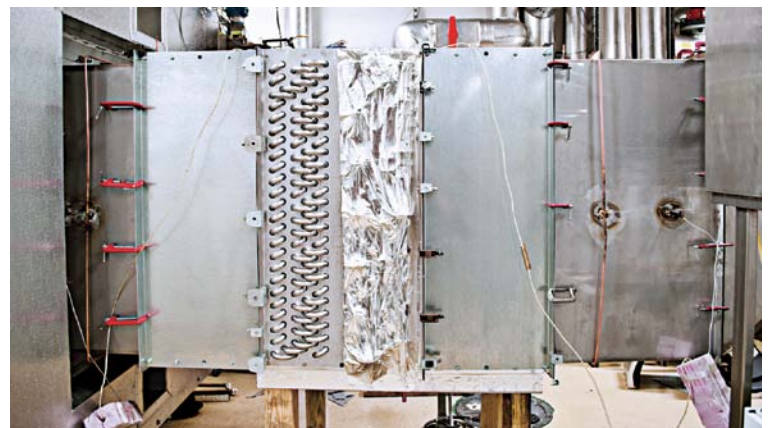


Steam temperatures from 250° F - 333° F

State-of-the-Art Facility



Wind Tunnel Control Panel Instrumentation



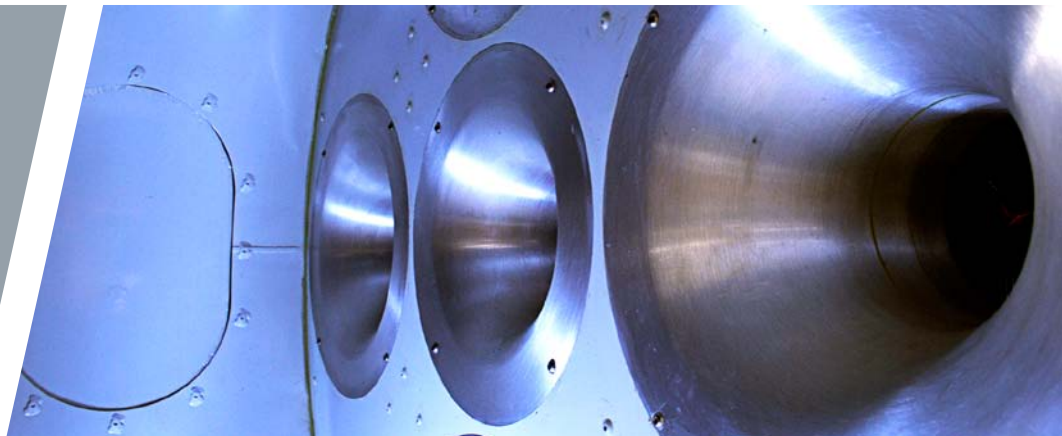
Wind Tunnel with Test Coil



Ken Moore / Lab Technician



Dr. Jian Yu, Ph.D / Corporate Director of Engineering Research



104 Peavey Road
Chaska, MN 55318
(800) 394-2645

2610 South 21st Street
Phoenix, AZ 85034
(800) 899-2645

451 Southlake Blvd.
Richmond, VA 23236
(800) 229-2645

www.superradiatorcoils.com