### HEAT EXCHANGERS FOR MILITARY APPLICATIONS





COILS / INDUSTRIAL HEAT EXCHANGERS / NUCLEAR PRODUCTS

### **Overview**

#### Certifications



ASME U & UM Stamp



NAVSEA Tech Pub 278, Welding



AWS Certified Brazers



ASNT Inspection Level I, II, III

#### **Segments & Applications**

#### Segments

Aircraft Vessels & Systems Land Based Vessels & Systems / Ground Vehicles Marine Vessels & Systems Supply Chain & Logistics

#### Applications

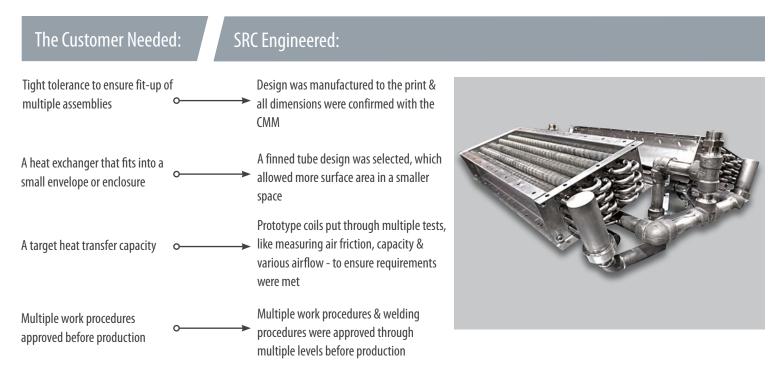
Compartment Coolers Electronics Cooling Environmental Control Units Equipment Storage & Dehumidification Food Storage Heat Recovery Modular & Fixed Refrigeration Systems Transformer Cooling

#### **Support Capabilities**

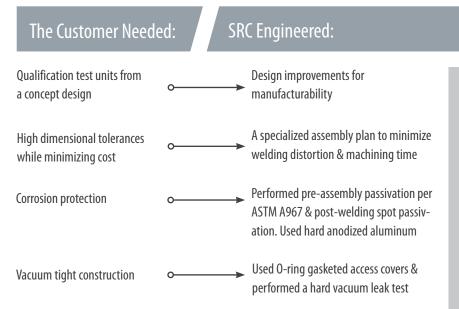
Controlled Access / NOFORN Document Control Wind Tunnel Test Lab

## **Case Studies**

### **Cooling Coil for Marine Vessel**



#### **Water Coil for Marine Vessel**





# Manufacturing Capabilities

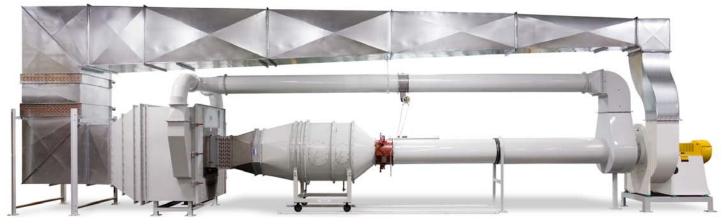
#### **Designated Manufacturing Space with Controlled Access**

5,000 square feet of manufacturing space in our Phoenix, AZ facility provides an environmentally controlled room for the manufacturing of NAVSEA certified products.



### **Test Lab Wind Tunnel**

Located in Super Radiator Coils Virginia facility is the state-of-the-art wind tunnel test lab. This facility is capable of handling a wide range of airflows, temperatures and fluids providing engineers with a comprehensive understanding of heat exchanger performance.



Wind Tunnel shown Pre-Insulation



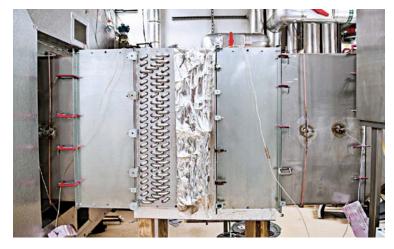
Wind Tunnel with Insulation



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



Humidity from 20%-95%



Wind Tunnel with Test Coil



Air temperature from 23°-140°F (-5° C – 60° C) Entering Water temperatures up to 180°F (82°C) Entering Glycol temperatures range from 20°F to 200°F (-6°C – 93°C)



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

#### **Condensers / Evaporators / Fluid**

Tube Diameter	Tube or Fin Material	Aluminum	Copper	Cupro-Nickel 90/10 & 70/30	Carbon Steel	Stainless Steel 304 & 316
5mm	Tube		•			
	Fin					
5/16"	Tube					
	Fin					
3/8"	Tube					
	Fin		•			
1/2"	Tube		•	•	•	
	Fin	•	•		•	
5/8"	Tube	•		•	•	
	Fin				•	
7/8"	Tube	•	•	•	•	•
	Fin	•	•		•	•
1"	Tube		•		•	
	Fin	•	•		•	

#### Steam / Steam Distributing

Tube Diameter	Tube or Fin Material	Aluminum	Copper	Cupro-Nickel 90/10 & 70/30	Carbon Steel	Stainless Steel 304 & 316
5/8"	Tube		•		•	
	Fin	•	•		•	
7/8"	Tube		•		•	
	Fin		•		•	
1"	Tube		•		•	
	Fin				•	

## **SRC Facilities**



Chaska, MN





Richmond, VA

All SRC facilities are ISO 9001:2015 certified



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