

# Innovative Solutions for Demanding Environments





# PRODUCT LINE CARD

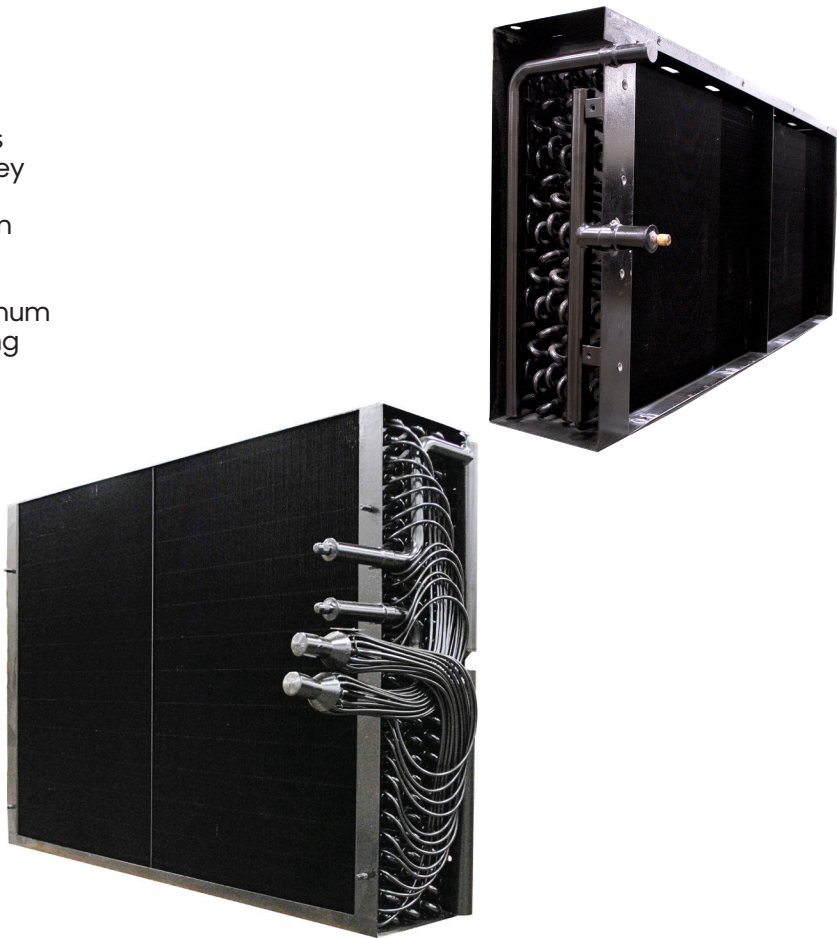
HVAC EQUIPMENT ENGINEERED TO WITHSTAND & PERFORM IN THE MOST DEMANDING ENVIRONMENTS

## Cooney HDRC Coils with RVE Design

Transit HVAC systems require innovative solutions to combat demanding environments. The Cooney HDRC Coil's robust design is engineered to stand up to the g-forces and vibrations experienced on railcars and buses.

Our HDRC coils are made with heavy-duty aluminum fins and dipped in an electrically charged coating for durability, easy cleaning, and performance.

- Heavy-duty aluminum fin coils HDRC coating makes coils more resilient and as strong as copper fins
- Dirt & debris does not adhere to the slick HDRC coating as it does to copper fins
- Cooney Coil HDRC coated coils have been running in multiple fleets for over twelve years with proven success
- HDRC coated coils are well-within government transportation agency and vehicle manufacturer guidelines, including 49 CFR, part 283.103, appendix B.

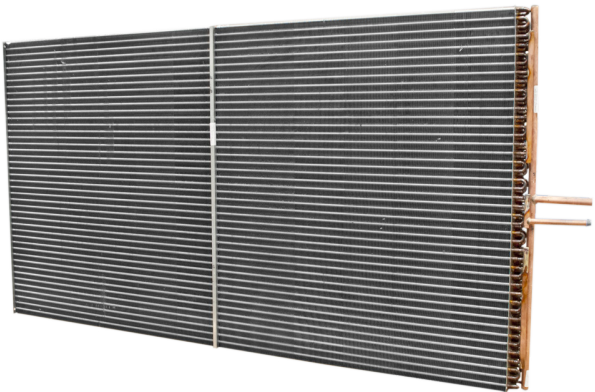


	Corrosion	Cleaning	Efficiency
HDRC Coils	Exceed 3000 Hours Salt Spray Testing	Pressurized Water	Maintains High Levels of Performance
Copper Fin Coils	Oxidation and Corrosion Accelerated in Rail or Transit Environment	Heavy Duty Cleaning Chemicals	Declines Consistently Over Time

## Condenser Coils

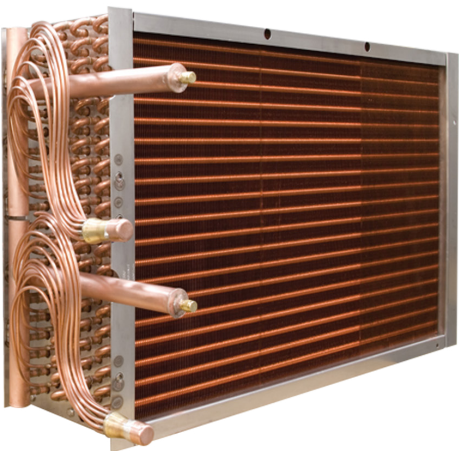
Failure due to vibration and debris damage, loss of heat transfer due to aging, and diminished performance due to dirt adhesion, are key contributors to reduction of the performance and system failure in HVAC transit systems.

- Conversion from 3/8 , 1/2, and 7/8 inch tubing to 5mm tubing
- Increase heat transfer by adding more fins per inch
- HDRC Coating available for strength and durability



## Evaporator Coils

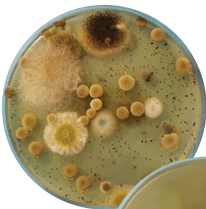
- Evaporator assemblies options available (evaporator with expansion valve)
- HDRC coating available to help reduce corrosion related to condensate, protect fins, and improve cleanability



## UVGI Disinfection Systems

Installation of a germicidal UV light inside the air system inhibits the growth of mold which saves energy by allowing the system to operate more efficiently. A cleaner system also requires less maintenance.

- Heavy-Duty UV Technology for Transit System Disinfection
- Robust remote mounted power supply for easy and flexible installation
- Teflon coated UV lamps
- When UV-C lights are properly installed, they can eliminate the need for coil and drain pan cleaning
- Use of UV-C lights can result in a 99% reduction of the concentration of germs on irradiated surfaces within the A/C system



In scientific studies UV light has been proven to kill 90% of microbial contaminants after 10 minutes of exposure and 99% after 1 hour.



# A PARTNER YOU CAN TRUST



## Who is Cooney Transit?

Our team of experts have over 40 years of HVAC experience within transit systems. We've dealt with the challenges of vibration, cleaning and performance first hand and sought to create better solutions.

Cooney Transit Systems brings proprietary technology for anti-vibration, extended life coatings along with high-quality parts from our exclusive manufacturer relationships to transit systems across North America.

Get in touch with us at Cooney Transit Systems, we will provide you with peace of mind on the road and railway.



**Gerald Wengert**  
Rail Technical Specialist

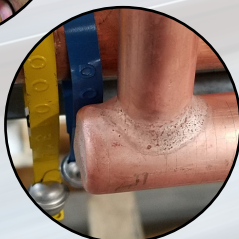
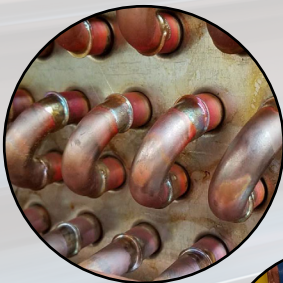
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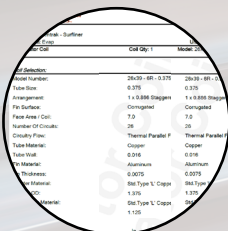
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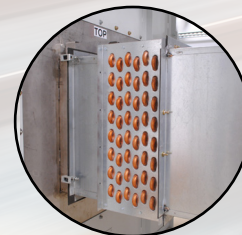
## Quality



## Modeling



## Testing



## Validation



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