

# HEAT EXCHANGERS & COOLERS FOR INDUSTRIAL APPLICATIONS

Coiltech<sup>®</sup> industrial  
heat transfer



A02









A large, dark silhouette of a hand is shown holding a bright, glowing sun. The sun is positioned in the center of the palm, creating a starburst effect. The background is a vibrant sunset sky with orange and yellow clouds. In the distance, a city skyline is visible across a body of water, with the sun's reflection shimmering on the surface.

# TAILOR-MADE COOLING FOR ALL POWER GENERATION PROCESSES. MODINE: POWER IN GOOD HANDS.

## **A TRUSTED PARTNER**

Modine is a leading manufacturer of coolers for almost any industrial process or application. Thanks to our know-how, tailor-made products and delivery dependability, Modine is often the partner of choice for the power generation industry world wide.

## **PROVEN TRACK RECORD**

Modine has designed and manufactured high-quality coils and coolers for industrial applications for over 70 years. With our many years of experience, heat transfer expertise and global span, we're designing and manufacturing products that bring improved performance, efficiency and dependability to every installation.

## **CUSTOMER FOCUS**

Modine's strategy is to understand our customers' challenges and to work together in partnership to bring improvement to their applications and processes. Our commitment and collaborative spirit make Modine a partner on which our customers depend.



# CUSTOMIZATION & FLEXIBILITY

## **BUILT-IN FLEXIBILITY, VALUE-ADDED CUSTOMIZATION**

With our extensive list of products, combined with a wide range of available options, we provide flexibility in building the exact solution for the exact industrial application. And if this flexibility isn't enough, our experienced design and engineering department will provide a specified quotation for a customized solution that does. Afterall, no two applications are often exactly the same.

## **EXPERIENCE IN A WIDE VARIETY OF SECTORS AND MATERIALS**

From cooling large diesel engines or waste incinerators to ventilation in off-shore installations, we have the sector know-how. With our metallurgical expertise and heat transfer knowledge, we can select the specific material, such as titanium, stainless steel, aluminium or copper, best suited for the corresponding environment and application.

## **QUALITY AND RELIABILITY**

With shared know-how spanning three continents and access to three internal laboratories for product testing in Europe alone (Pocenia, Italy; Guadalajara, Spain; and Soderkoping, Sweden), Modine consistently delivers products that have been rigorously tested and proven to deliver dependable performance and reliability that customers can count on.

## **GLOBAL RESOURCES WITH LOCAL SUPPORT**

With our global resources, combined with local customer service and technical support, you can have the best of both worlds.



# UNIQUE SOLUTIONS FOR ONE-OF-A-KIND APPLICATIONS



**Transformer oil coolers** for power plants come in all shapes and sizes.



**Motor & Generator coolers.** Used to cool large electric motors and generators using, for example, river water.



**Radiators/Air blast coolers.** For watercooling of large diesel engines, chillers for air conditioning, waste incinerators, etc.



**Industrial heat exchangers.** From ventilation in offshore installations to cellulose or timber driers, our heat exchangers will be designed to meet the challenge.

We supply **Radiators/Air blast coolers** for countless applications ranging from water cooling of large diesel engines to chillers for air conditioning and waste incinerators. Each cooler is designed to meet specific cooling capacity and noise level requirements.

Our **industrial heat exchangers** are designed to work in even the most hostile conditions, whether at high temperatures, high pressures, or where the environment is highly corrosive. Our cooler tubes can be produced in materials such as titanium or stainless steel as well as copper and copper alloys, to best suit the environment. From ventilation in offshore installations to cellulose or timber driers, our heat exchangers will be designed to meet the challenge.

Our industrial products are part of **nuclear, oil or gas deliveries** world wide. We have extensive experience with such deliveries including quality documentation of welding/brazing, production and authority inspections.





# INDUSTRIAL APPLICATIONS

## TRANSFORMER OIL COOLERS



**Transformer oil coolers BETA & CETA.**  
With one up to four fan units. Horizontal or vertical installation design.

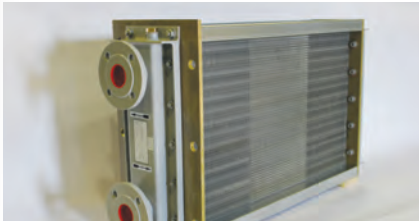


Transformer oil cooler with **hinged swing-open fan panels** for easy access and cleaning.

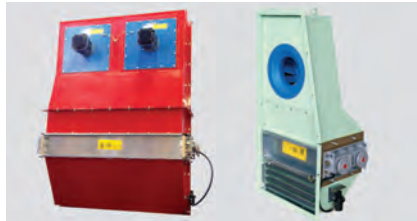


Transformer oil cooler with **angled fan sections**. Designed for efficient and directed evacuation of hot exhaust air.

## MOTOR & GENERATOR COOLERS



**Motor & Generator coolers QLKE, QDKR.**  
Cleanable single and double tube coolers where untreated sea or lake water is used.



Complete cooling unit with cleanable cooler, fans, damper, leakage detector customized on the **resin transformer unit** for each customer line.



**Hood installation.** Complete cooler unit customized to fit client machine.

## RADIATORS/AIR BLAST COOLERS



**Radiator DK.** Cooler for Power Generation. Engine with flexible design and noise level improvement.



**Air blast cooler for application HVDC** is used for cooling glycol/pure water with air. The cooling fans are separated from one another by partitions.

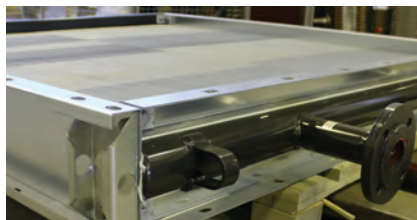


**Nuclear, oil & gas.** Complex deliveries with extensive documentation requirements and wide range of accessories are handled as projects by a dedicated team.

## INDUSTRIAL HEAT EXCHANGERS



**Steel coils QMXX.** Made of hot dip galvanized steel. Used to heat air using heat energy from steam or liquid supplied.



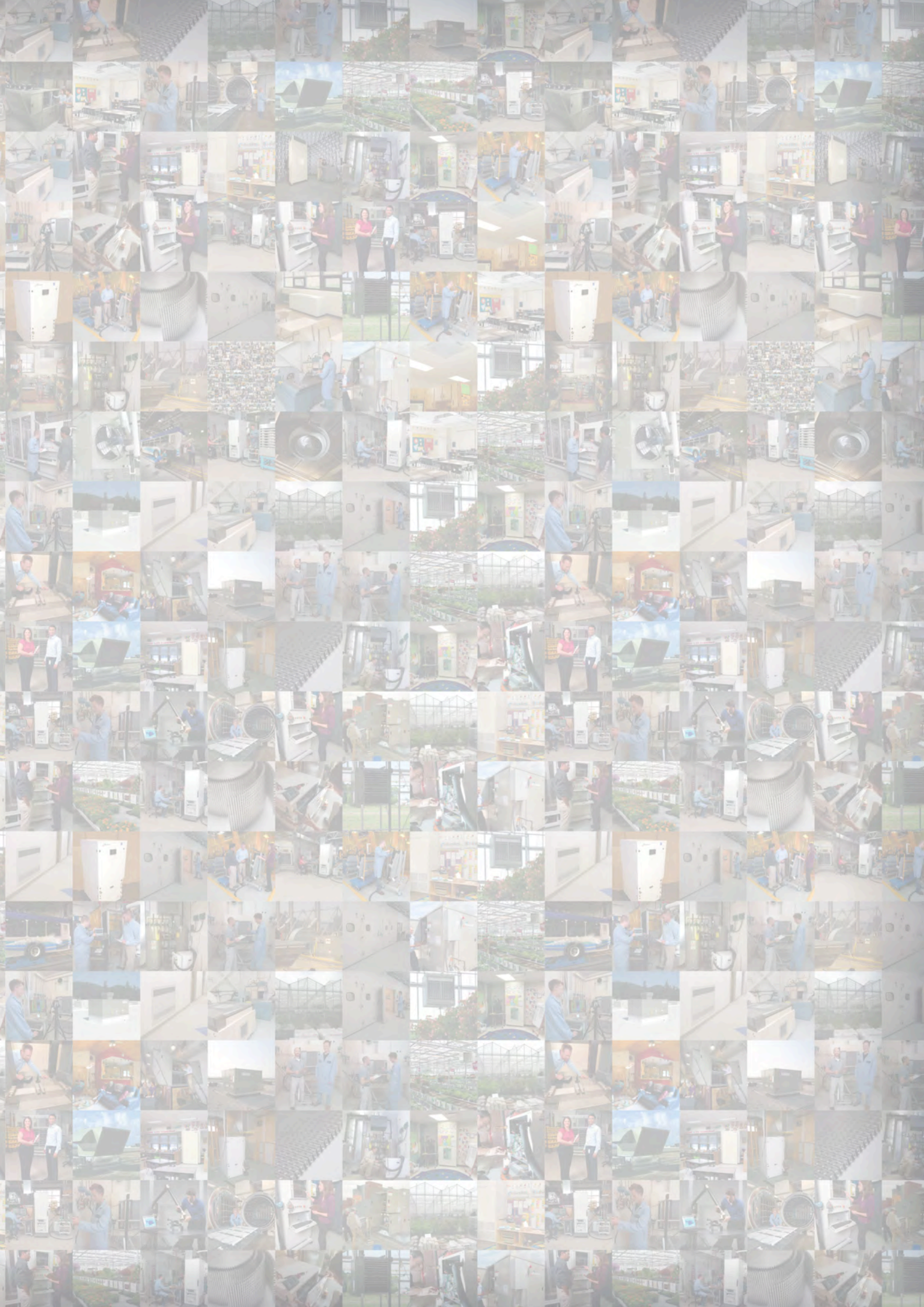
**Steel coils QMAF.** Used to heat air using heat energy from steam or liquid supplied.



**Steel coils QSAK.** Finless plain tube design. Used to heat air using heat energy from steam or liquid supplied, or heating of water by means of warm waste air.











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#### About Modine

Modine specializes in thermal management systems and components, bringing highly engineered heating and cooling components, original equipment products, and systems to diversified global markets through its three complementary business units: Vehicular Thermal Solutions (VTS); Commercial & Industrial Solutions (CIS); and Building HVAC Systems (BHVC).

Modine is a global company headquartered in Racine, Wisconsin (USA), with operations in North America, South America, Europe, Asia and Africa.

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