HEAVY DUTY CLEANABLE COILS

Coiltech® industrial heat transfer

MODINE®

HEAVY DUTY CLEANABLE COILS

Materials and Styles

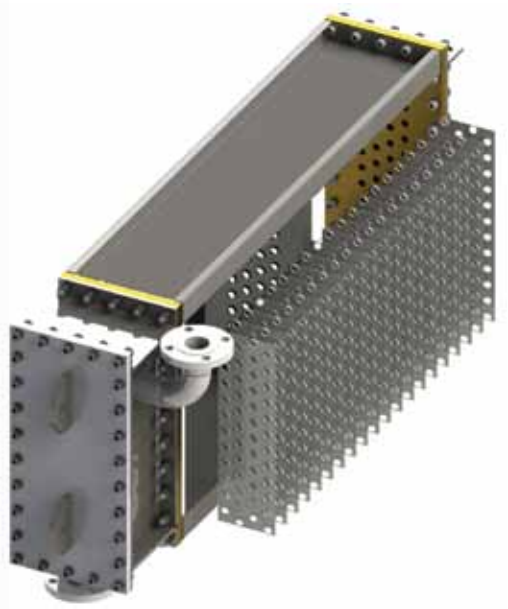
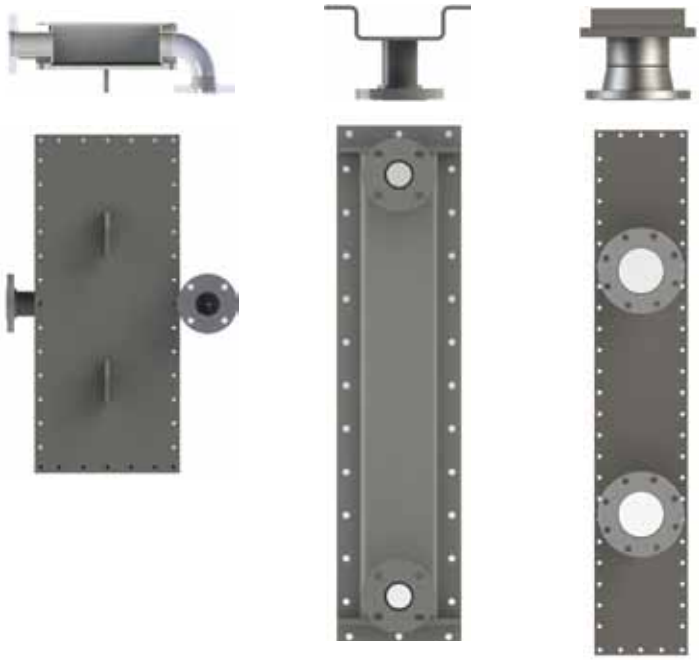


Plate fin technology provides flexibility in the cooler design by providing options in fin density and surface selection for optimal performance.

Removable Header (Water Box) Styles



Materials of Construction

Tubes 1/2", 5/8", 3/4" OD Single or Double Tube

Copper	ASTM B75
Copper-Nickel	ASTM B111
Stainless Steel	ASTM A249 TP304L (or) TP316L
Carbon Steel	ASTM A214

Fins

Aluminum	Plain or Pre–coated
Copper	ASTM B152
Stainless Steel	ASTM 302–2B
Carbon Steel	ASTM A109–83

Tube Plate

Brass	ASTM B171
Stainless Steel	ASTM A240 TP304L (or) TP316L
Carbon Steel	ASTM A36 (with coating)

Header

Stainless Steel	ASTM A240 TP304L (or) TP316L
Carbon Steel	ASTM A36 (with coating)

Connections

Stainless Steel	ASTM A312 304L (or) 316L Sch 40
Carbon Steel	ASTM A53A Sch 40

Bolting Galvanized or Stainless Steel

Frame Work

Stainless Steel	ASTM A240 304L (or) 316L
Galvanized Steel	ASTM A924 and A653

Accessories Gasket set
Fin surface protection guard
Cleaning brush with rod

E-Coat Corrosion-resistant E-coat for entire cooler (optional)

Construction in compliance with and certifiable to ASME Boiler and Pressure Vessel Code (BPVC) Section VIII upon request.

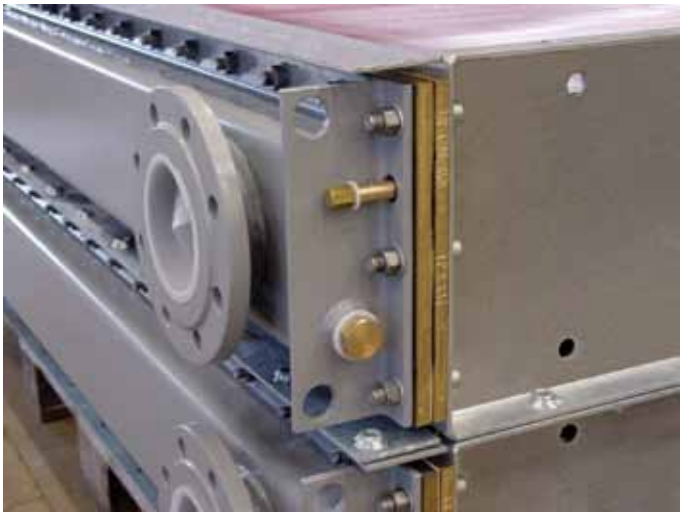
HEAVY DUTY CLEANABLE COILS

Heat Transfer Solutions

Coiltech designs and manufactures Heavy Duty Cleanable Coolers that are used to remove heat from air via circulating untreated sea, lake or river water. The untreated water will potentially contribute to internal fouling but the removable header boxes or cover plates allow access for internal cleaning. The coolers can be used in a variety of heat removal applications but commonly used for large horsepower motor and generator cooling applications.

The product is engineered using Round Tube Plate Fin (RTPF) that allows flexibility in the cooler design for optimum performance by balancing efficiency, resistance to fouling and air static pressure drop through the selection of different fins per inch variations and Modine Select fin surfaces.

The product is offered with single or double tube mounted in a bundle of continues plate fins, expanded into the fins for absolute contact needed for efficient heat transfer, and additionally supported by intermediate continuous tube sheets engineered to maintain original shape.



The Double Tube design consists of a primary tube that is inserted in a secondary copper tube with internal grooves. These grooves provide a path that carries any leakage water from the primary tubes and through a clearance between the primary and secondary tube plates to any type of leakage detecting device. The double tube design is suitable for coolers in marine environments such as cooling of motors and generators aboard vessels and on offshore platforms. It's also used for dry transformer as well as excitation systems.

Modine Grenada LLC
Tel: 662-229-4000
Fax: 662-229-4212
Grenada, MS
Email: powergen@modine.com