

# MESABI<sup>®</sup>

FLEXIBLE CORE HEAT EXCHANGERS

## *Air-to-Oil Coolers*

*Aluminum and copper tube coolers for all cooling and space requirements*

- **No leaky soldered seams**

Individual cooling tubes are held in headers with rubber seals to absorb stresses and vibration

- **Field repairable**

Seals allow any damaged tubes to be removed and replaced in the field using simple hand tools, and often without removing the cooler from equipment

- **Easy to clean**

Clean with high-pressure air or water



**MESABI<sup>®</sup> multi-cooler package (above):**

Four cooling functions in a single unit: engine cooling by standard MESABI<sup>®</sup> copper tube radiator; charge air by MESABI<sup>®</sup> aluminum tube cooler; hydraulic and compressor oil cooling by MESABI<sup>®</sup> Model CSC<sup>™</sup> 350 aluminum coolers.



### *Standard Aluminum Tube Cooler*

For pressures up to 175 psi (1207 kPa)



### *High-pressure CSC<sup>™</sup> Aluminum Tube Cooler*

For pressures up to 500 psi (3447 kPa)



### *Copper Tube Cooler*

For pressures up to 150 psi (1034 kPa)

## Standard Aluminum Tube Cooler

Standard aluminum tube coolers feature tubes with integral circular finning rolled from the tube wall. Turbulators are placed in tubes to increase heat transfer and are removable for cleaning.

## High-pressure Aluminum CSC™

Captured Seal Cooler™ coolers feature tube-to-header seals held captive in the header plate. Once a tube is in place, the seal is compressed to make a tube-to-header seal capable of withstanding tested pressures.



## Copper Tube Cooler

Copper tube coolers are similar in design to MESABI® engine radiators, but have internal turbulators. Designed for those applications where high efficiency is required and space available is limited.



Manufactured and distributed by:

**L&M RADIATOR**

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