Heat exchangers are critical for heating and cooling a variety of media during the operation of many on-board services and systems.

From supplying fresh water and air-conditioning to improving environmental performance, or refrigeration units used to store and preserve food, we have the answer. Our heat exchangers are robust and reliable, even in the most turbulent sea conditions.

Safety, reliability and durability are essential to a ship’s operations. As experts in heat exchange technology, Kelvion offers the widest range of cooling applications to help keep engines running efficiently, reduce emissions, recover waste heat and supply fresh water.
# ON-BOARD SOLUTIONS

## GASKETED PLATE HEAT EXCHANGER
- High efficiency at low operating costs
- Greater application possibilities at lower investment costs
- Maximum economic efficiency
- Service and maintenance costs are kept low

## EXHAUST GAS RECIRCULATION COOLER
- Maximum process efficiency and availability
- Compact design and low weight
- Various cooler designs with regard to the different requirements of EGR Coolers at 2-stroke and 4-stroke engines
- Patented design for 4-stroke engines high pressure EGR system

## SHELL & TUBE HEAT EXCHANGERS
- For a wide variety of applications.
- Cost efficient and reliable solutions.
- Standardized product lines for an optimal price/quality ratio.
- Customized designs for the most demanding duties in oil & gas.

## CUSTOMIZED AIR COOLERS
- Customized Air Coolers are tailored to your individual application
- Available in wide range of materials and fan options
- Offer convincing performance even under the most difficult circumstances

## COMMERCIAL AIR COOLERS
- Standardized systems with defined variants and options to meet your special requirements
- Cost efficient and reliable solutions
- Reliable cooling power in temperature ranges both below and above 0°C

## BOX COOLERS
- Elimination of complete outboard secondary cooling water circuit. System does not require seawater pump, filter, valves, and seawater piping.
- Box coolers are much less susceptible to corrosion and fouling compared with any other solution

## CHARGE AIR COOLERS
- Safety under extreme conditions
- Conformity with the strict regulations for gas engines
- Compact design - low weight and small space requirements
- Close collaboration with engine manufacturers and vehicle contractors

## COILS
- Air coolers, air heaters, evaporators, condensers, heat pipes and high efficiency run around coils – carefully selected and appropriately fitted to our customers’ needs
- The production flexibility of diverse fin tube patterns, materials and additional options enable us to offer the best possible solution

## CONDENSERS
- Available in flat-bed, horizontal or vertical and V-bank configurations fit for a wide range of applications
- 5 tube configurations – including the new 5mm tube system optimised for CO₂ – allow for improved energy efficiency, quieter operation, and greater durability
- Space saving design

## DRY COOLERS
- High performance solution in various applications
- Customized design to meet each and every specific requirement
- Reliable performance in heat transfer and ventilation

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