Kelvion ComFinSafety

TWICE THE IMPACT: COMPACT & SAFE

For decades we have been supplying ground-breaking heat exchange technology that meets the highest levels of safety, environmental protection and cost-efficient operation. Kelvion is a market leader in double tube safety heat exchangers for industries and applications where preventing media mixing in the event of a leak is critical. They include transformer cooling systems, chemical and gas treatment and machine cooling on board ships and in hydro power plants.

We are continuously improving our technology and adapting our range to suit changing market requirements. Our new ComFinSafety merges our pioneering double tube safety with our ComFin technology. This system offers major advantages for applications where the media properties are significantly different, such as oil cooling by water and concurrently requiring high safety levels combined with a compact design.

**DESIGN & FUNCTION**

**BENEFITS**

- COMPACT & SAFE DESIGN
- SAFE MEDIA SEPARATION & LEAK MONITORING
- ENVIRONMENTAL COMPLIANT
- HIGH EFFICIENCY THROUGH SIMPLIFIED PROCESSES
- LOW PRESSURE DROP SHELL SIDE
MARKETS

POWER
GRID
MARINE
TRANSPORTATION
HEAVY INDUSTRY
HVAC

APPLICATIONS

- Transformers
- Engines
- Gearboxes
- Thrusters
- Winches
- Refrigeration units
- Hydro-Turbines
- Cranes
- Compressors
- Hydraulics
- ...

PRODUCT TYPES

COOLING

- OIL COOLER
  (Fuel oil cooling, Lube oil cooling, Hydraulic oil cooling, Thermal oil cooling)
- TRANSFORMER OIL WATER COOLER
- AIR COOLER

DESIGN OPTIONS

- Outer tubes: Copper
- Inner tubes: CuNi 90/10, CuNi 70/30, Stainless steel, optional inside coating
- Compact fins: Variable fin pitch, Aluminum, Copper
- Baffles

LEAKAGE DETECTION SYSTEM

- Regular operation
- Alarm 1: Tube side
- Alarm 2: Shell side

MEDIA

- Water
- Sea water
- Oil
- Refrigerants
- Air

DESIGN DATA

- DESIGN PRESSURE: UP TO 60 BAR G
- DESIGN TEMPERATURE: -29 °C TO 200°C

Bundle length 250 - 4500 mm
Bundle diameter 100 - 600 mm

www.kelvion.com

© Kelvion • All rights reserved • Subject to changes • Version 01 • 09/19