Kelvion ComFinSafety

TWICE THE IMPACT: COMPACTNESS & SAFETY

DESIGN & FUNCTION

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, chemical and gas treatment and machine cooling for example 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.

BENEFITS

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

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)
- AIR COOLER
- TRANSFORMER OIL WATER COOLER

DESIGN OPTIONS

- Outer tubes
  - Copper
- Inner tubes
  - CuNi
  - Stainless steel
  - optional inside coating
- Compact fins
  - Variable fin pitch
  - Aluminum
  - Copper
- Baffles

- Bundle diameter
  100 - 600 mm
- Bundle length
  250 - 3600 mm

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
  - -10°C TO 200°C

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