

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



POWER



GRID



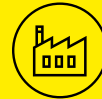
MARINE



RENEWABLES



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)
- ▶ **AIR COOLER**
- ▶ **TRANSFORMER OIL WATER COOLER**



SHELL & TUBE DOUBLE SAFETY



STANDARD

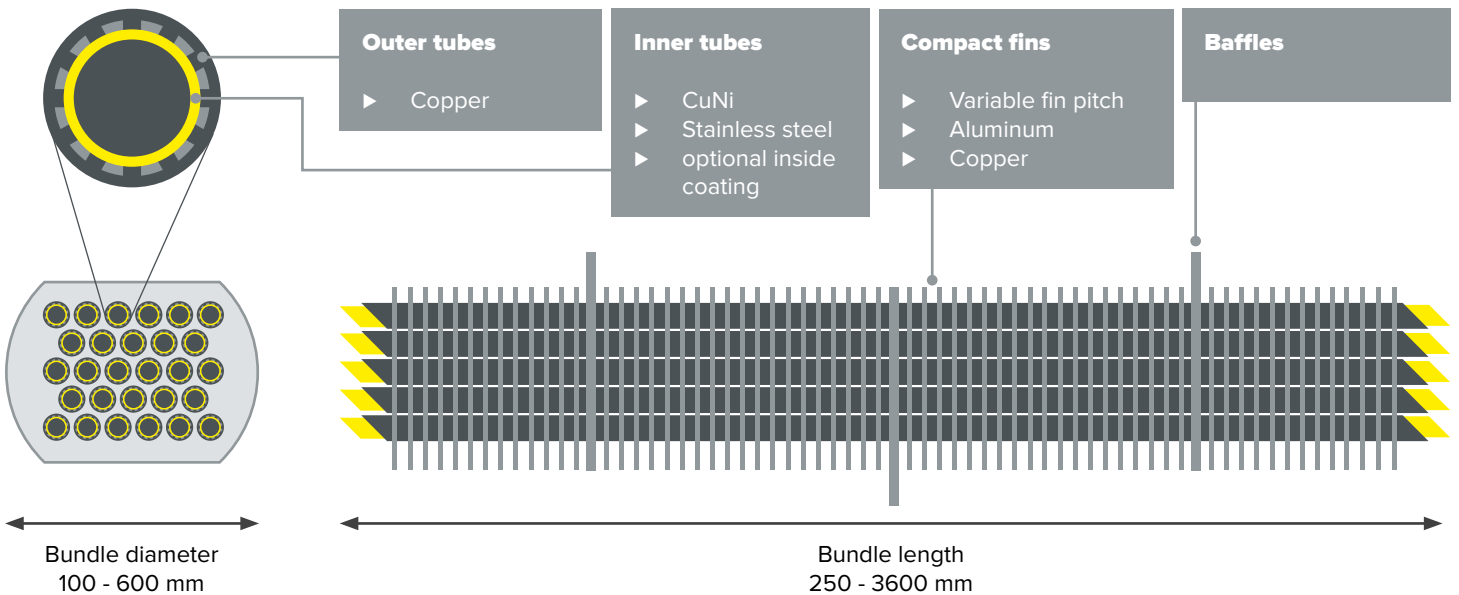
ADVANCED

TRANSFORMER OIL WATER COOLER



TOWC SMART

DESIGN OPTIONS



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

- ▶ **-20°C TO 200°C**

