

advanced quality
customized designs
made in europe and usa

**UNIVERSAL
HYDRAULIK**®
Your Partner for coolers and systems

**HYBRID
COOLING**

Oil/Water-Heat exchanger

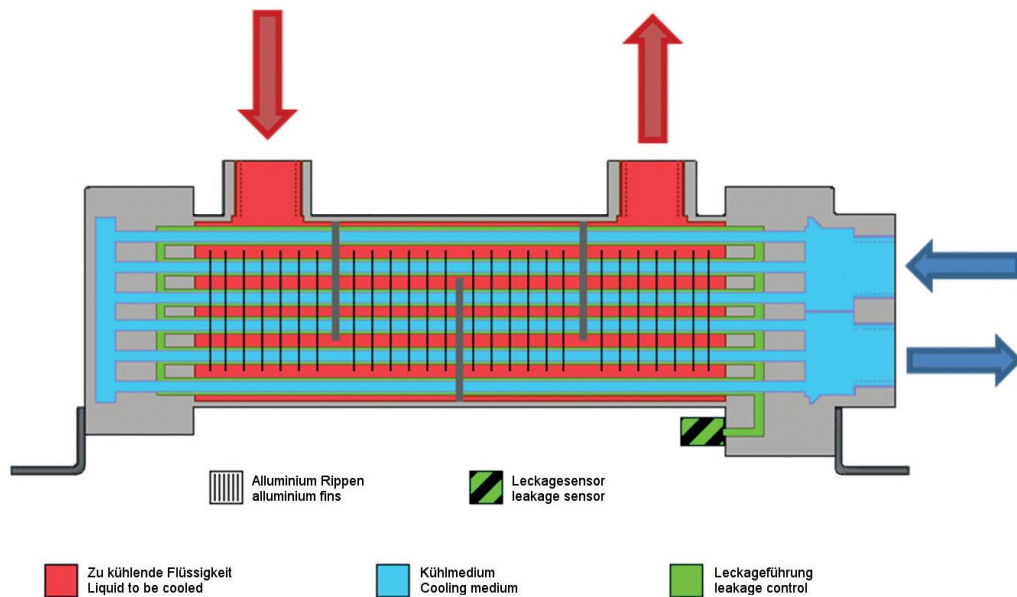
SCM/FS



- Tube in tube-version
- 100% electronic monitoring
- Industry 4.0 capable through an IO-Link-sensor
- Leakage detector incl. IECEx certification on request
- Removable end covers for water side cleaning



Safety principle



Based on their existing hybrid heat exchangers from the SCM-Series, Universal Hydraulik developed a new high efficiency fail-safe heat exchanger, the SCM/FS. The advantages of the hybrid design, such as a compact size or an internal bypass valve of the newest generation, can be completely utilized.

The SCM/FS-Series uses a double tube system; this prevents the danger of mixing between the hot and cold fluid. In the case of a leakage it streams the fluid to a designated area where there it is then detected by a special sensor. A 100% electronic monitoring ensures maximum security.

The sensor works of the impedance-spectroscopy-method. On the tip of the sensor three electric fields are being generated, which are influenced by the medium. Based up on the behavior of the electric fields information about the touching fluid can be concluded.

Standard material

Shell	- Steel/Stainless steel
Outer water tube	- CU
Inner water tube	- CU-NI/SS
Bonnets	- Cast iron
Separation area	- Steel

Other materials on request.

Option: [Sea water resistant version](#)

The technical data of this sheet is depending on the described operational conditions and individual cases.

At different operational conditions and differing individual cases contact Universal Hydraulik.

Technical modifications reserved. Please also pay attention to our operation manuals and maintenance documentations.

In case of an order, binding dimensions can be found in the associated component drawing.

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