advanced quality
customized designs
made in europe

Oil water coolers
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Hybrid-Design

- **EKM/SPM, SCM**
  - Straight water tubes, fixed or removable
  - High performance due to additional plates on the oil side
  - Optional: Sea water with Marine-certificates
  - Compressed-air versions (Compressed-air and oil cooling)
  - Stainless steel version
  - Bypass-Valve integrated (replaces an external Bypass Valve 100%)
  - Higher pressures or temperatures by request possible

Advantages Hybrid Design:
- Shell side (e.g. Oil): High performance due to additional plates (fins). Similar performance and size as plate heat exchangers.
- Water side: Long standing time due to large water tubes instead of formed plates. Easy to clean even with bad water quality.
- Additional: All connections are variable, In-Tank mounting possible; Bypass integrated, Marine-certificates at same cooler design, low pressure drops, different material combinations, etc.

Standard Shell & Tube Design

- **UKM - UKTM**
  - Water tubes in U-version, removable
  - On-Tank or In-Tank version available
  - High performance due to additional plates on the oil side
  - Optional: Only cartridge with end cap also available for customized housing solutions
  - Sea water with Marine-certificates
  - Compressed-air versions (Compressed-air and oil cooling)
  - Bypass-Valve integrated (replaces an external Bypass Valve 100%)
  - Higher pressures or temperatures by request possible

Fail safe cooler

- **CKM-FS**
  - Fail safe cooler by double-tube design, with overpressure protection and 100% electronic control
  - 5 different sizes, Basis CKM-series
  - Optional: Sea water (with marine certificates)
  - Atex- or TÜV-approvals
  - Different material combinations (e.g. Stainless steel)
  - Special designs by request possible

Electrical oil pre-heater

- **EDH**
  - Electrical oil pre-heater: 5 sizes 0 - 90 kW / no calculation software necessary. All relevant data (heating time, heating power, delta p (bar), etc.) are pre-calculated in the data sheet.
  - Optional: Surface load: 1W/cm²
  - Water and water mixtures

Brazed plates

- **PWT**
  - Brazed plates in stainless steel, copper or nickel brazed
  - Variable in sizes and amount of plates
  - Optional: Different connections
  - Different brackets
  - Insulations (e.g. PU hard foam)

Screwed Plates

- **TL**
  - Many different plate and gasket materials available
  - Optional: Sea water (titanium plates)