Вставные элементы для охлаждения электроники

Cartridge Couplers for Electronic Cooling

Серия СО

CO-series
**Description:**
The increasing operating efficiency in electronic systems requires ever more effective and therefore fluid-based cooling systems. Cooled by fluids and structured modularly, electronic systems need reliable connections between the cooling module and the control cabinet. As our couplings do not have any water leakage even during connection and disconnection, electronic systems are safeguarded against any damage through residual coolant.

Since the required coolant quantities vary from case to case, our engineers developed a range of coupling elements that is optimally adapted to the respectively required flow rate. We are thus able to match specific requirements with customized designs.

**Features:**
- **Safe:** clean-break technology protects electronic modules against damage from spilling coolant when changing modules.
- **Efficient:** high flow rates and small pressure losses (for Cv – value check technical data). Minimal air inclusion avoids efficiency losses of the cooling system.
- **Simple:** fast and easy change of water-cooled electronic modules.
- **Robust:** made of stainless steel, long lasting by use of high quality seals.
- **Flexible:** adaptable customer specification.

**Technical Data:**
- **Temperature range:** -40 °C up to 130 °C
- **Leakage rate:** 1x10⁻³ mbar x l/s
- **Media:** water, polyalphaolefin (PAO) and other cooling media
- **Loss rate:** 1 drop per 100 coupling cycles
- **Life span:** > 1,000 coupling cycles
- **Materials:** stainless steel 1.4305 (AISI 303) or aluminium hard-coated
- **Seals:** FVMQ, or upon consultation

Systems filled with liquids require volume adjustment.

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Пример установки / Installation example DN 3

Пример установки / Installation example DN 4

Пример установки / Installation example DN 5
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Пример установки / Installation example DN 6

Пример установки / Installation example DN 9

Пример установки / Installation example DN 12

WALTHER-PRÄZISION
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