



Thermal management for data centre cooling

Quick-release couplings, fittings, manifolds and custom solutions
for liquid cooling in data centres

Thermal management components for high-performance data centres

Processors and graphics chips generate enormous heat loads in server racks.

Liquid cooling is increasingly becoming a key technology for energy-efficient and reliable operation. AVS Römer supports this development with components and systems for the distribution, control and monitoring of coolants throughout the entire fluid circuit.

Our core strenghts

- ✓ **In-house development department** and a high level of vertical integration ensure short distances, stable processes and consistent quality.
- ✓ Flexible implementation of **series production** and design modifications.
- ✓ **Extensive portfolio** of high-quality fittings, valves, sensors and pumps for fluid technology.
- ✓ **Customer-specific solutions** and agile implementation due to in-house tool, prototype and equipment manufacturing.
- ✓ Over 50 years' experience in fluid technology.



Fluid technology expertise
for data centres.
Simply follow the **QR code**.

Our product highlights

Thermal management solutions for liquid-cooled data centres.



Quick-release couplings

Reliable fluid connections for servers, rack manifolds and CDUs for the next generation of liquid-cooled data centres. For drip-free, safe and flow-optimised connection and disconnection of fluid-carrying lines with high flow rates and minimal pressure drop.



Push-in fittings

An extensive range of fittings for secure and durable joints in demanding cooling circuits. The tried-and-tested push-in technology enables quick and easy installation. A variety of material options provide suitable solutions for a wide range of requirements.



Manifolds

Customised distribution solutions for the efficient distribution of coolants, including functional integration.

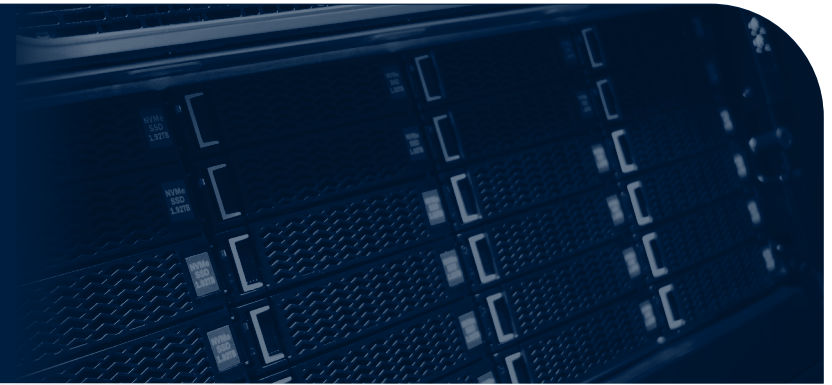


Pumps

The smartflow® external gear pump delivers coolants evenly and with high efficiency. Special, application-specific versions are available.

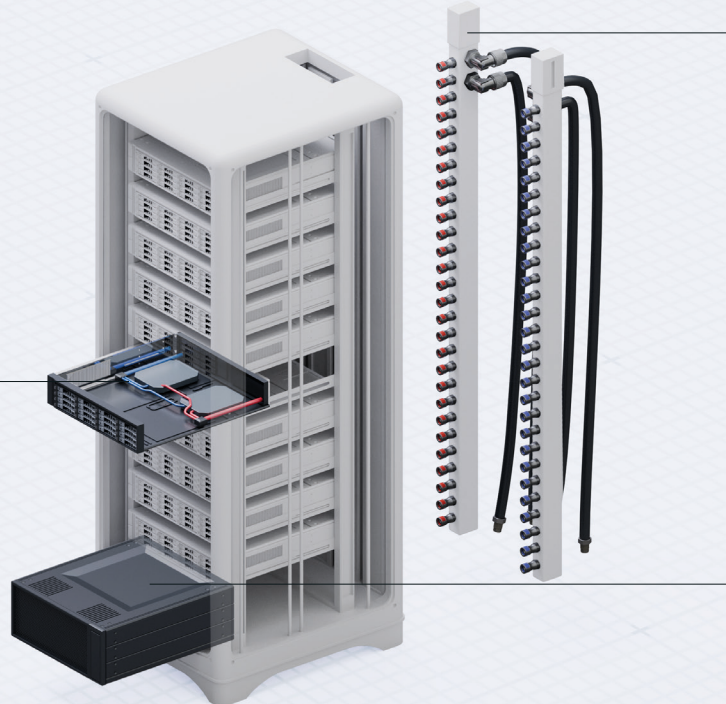
Fluid technology expertise at a glance

- Reliable media handling.
- Easy integration.
- Long service life.



Server

Quick-release couplings (UQD)
Push-in fittings (PVDF, PPSU, stainless steel, PPS)
Manifolds
Press-in cartridge



Rack manifold

Quick-release couplings (UQD / UQDB)
Ball valves
Shut-off valves

In-Rack CDU

2/2-way solenoid valves stainless steel
Non-return valves
Sensors (temperature, conductivity, pressure, flow)
Pumps

About AVS Römer

Founded in 1970 by Joachim C. Römer, AVS Römer develops tailor-made and application-specific solutions for connecting, controlling, measuring and transferring. We distinguish ourselves above all through high-quality, customised special solutions. As an owner-managed family business, we focus on the highest quality and customer satisfaction.



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