AVS RÖMER

Connecting – Controlling – Measuring – Transferring

Powering hydrogen for electrolysers

Valves, fittings, sensors, pumps and custom solutions for distribution technology

AVS Römer fluid technology components for high-performance electrolysers

Reliable hydrogen production starts with precise fluid technology.
Our components support the hydrogen industry by preventing leaks of gases and liquids, even under demanding operating conditions.

Our core strengths

- Our in-house development department and high level of vertical integration ensure streamlined processes, consistent procedures and reproducible quality.
- Flexible implementation of series and contract manufacturing as well as design modifications.
- Extensive portfolio of high-quality fittings, valves, sensors and pumps for fluid technology.
- Customer-specific special solutions. Agile implementation enabled by in-house toolmaking, prototyping and equipment construction.

Discover our full range of **concentrated fluid technology expertise** on our website. Simply follow the **QR code**.

Our product portfolio

Our high-performance components for **use in electrolysers (and fuel cells)** include the following:

Direct-acting solenoid valves

Precise control of neutral gases and liquids with the **EDV 700, H2-ready tested by DVGW.** It enables reliable control of hydrogen-carrying processes while meeting the relevant requirements regarding leak-tightness and material resistance.

Push-in fittings

A comprehensive range of fittings for process water or waste heat. Easy to install due to proven push-in technology. Designed in various materials to meet different requirements.

Special solutions for distribution technology

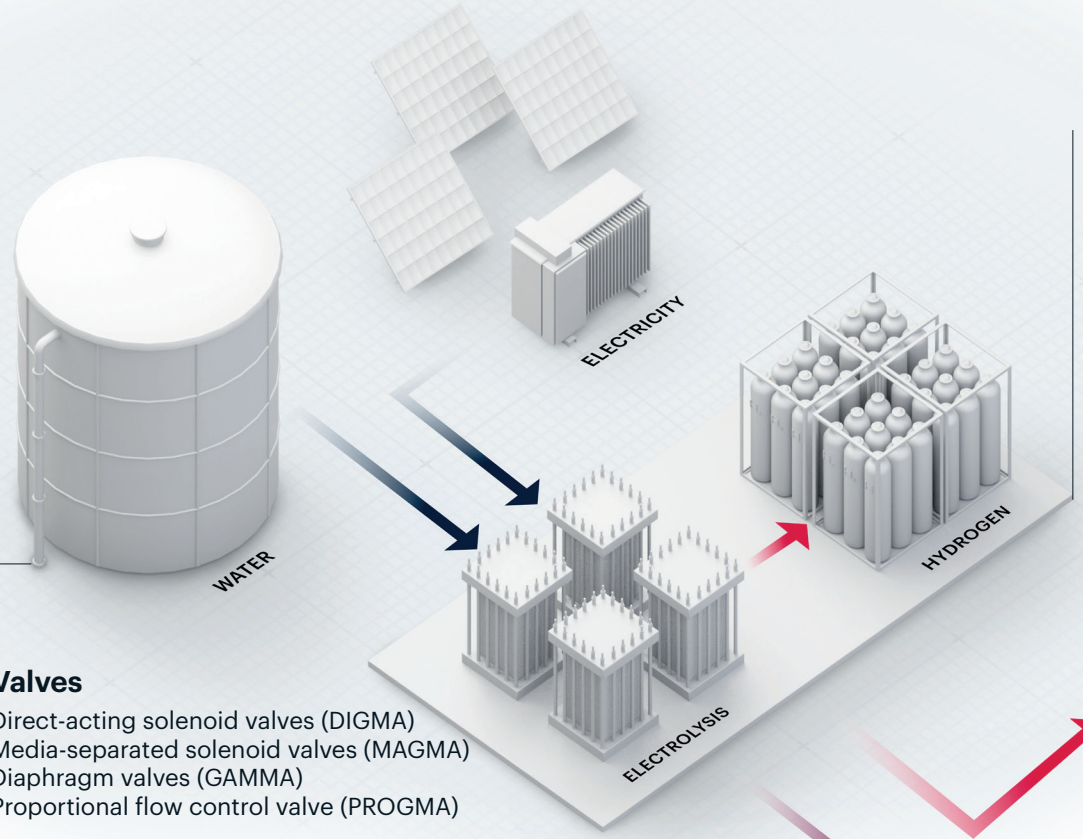
Customer-specific solutions for distribution units with integrated sensors and adapted assemblies for quick installation are available.

Pumps

The smartflow external gear pump transfers fluids smoothly and with high efficiency. It is available in special, application-specific versions.

Our innovative fluid technology components

- Precisely control all key parameters.
- Reduce maintenance requirements.
- Enhance the performance of the systems.



Solenoid valves
Direct-acting solenoid valves type EDV 700

Custom solutions
Distribution technology

Fittings
Push-on (stainless steel)

Fittings
Push-in (PK, PPSU, stainless steel)
Push-on (stainless steel)

Sensors
Conductivity
Flow
Level
Combi-sensor temperature/level

Valves
Direct-acting solenoid valves (DIGMA)
Media-separated solenoid valves (MAGMA)
Diaphragm valves (GAMMA)
Proportional flow control valve (PROGMA)

Pumps
External gear pump smartflow®

Quick-connect couplings (PK)

Sensors
Pressure
Temperature

Fittings
Push-in (PK, PPSU, stainless steel)
Push-on (stainless steel)

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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