



## Powering hydrogen for electrolyzers

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

# AVS Römer fluid technology components for high-performance electrolyzers

## 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 electrolyzers (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.

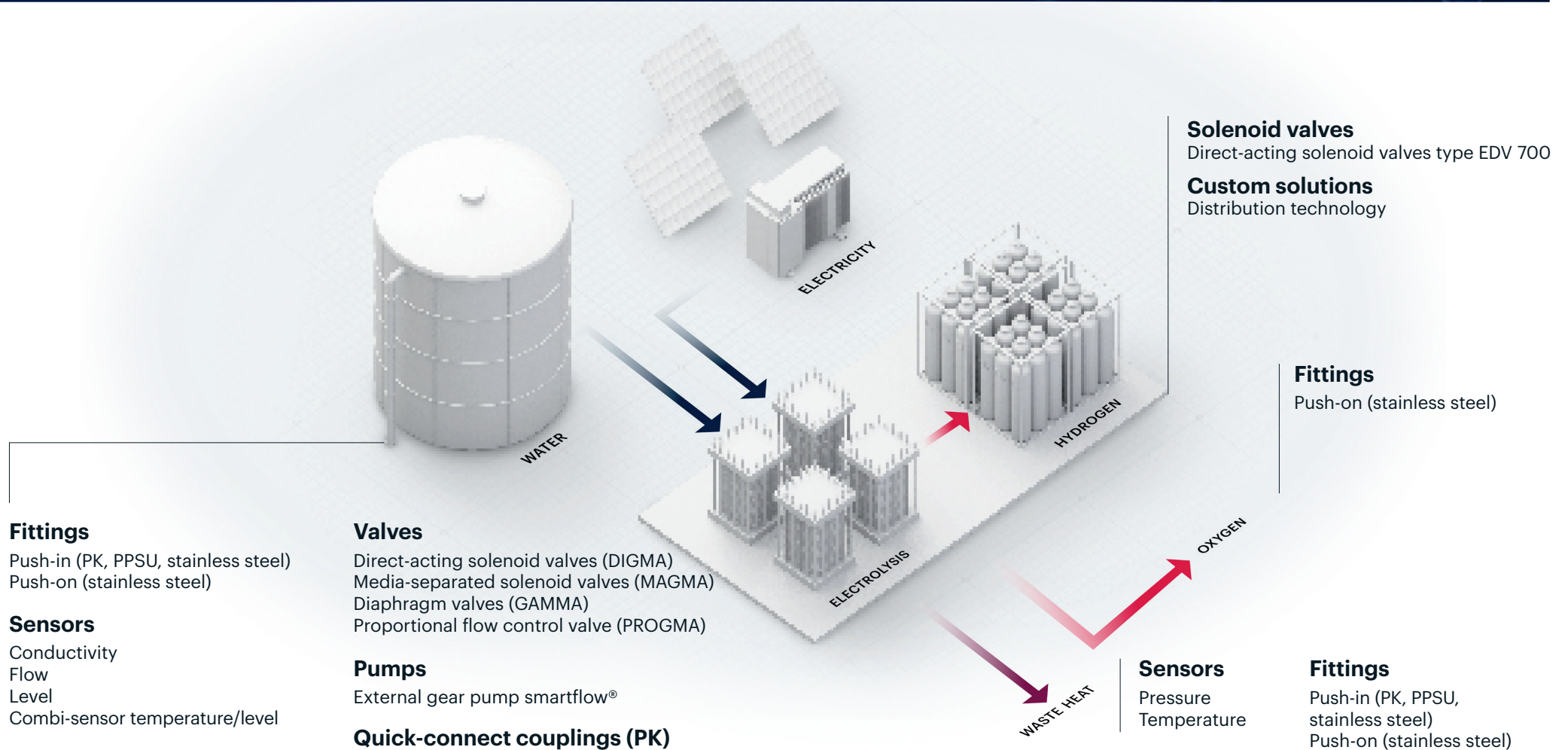


### Pumps

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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