

# VALVE SOLUTIONS FOR HYDROGEN APPLICATIONS





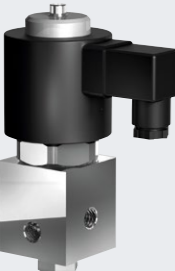





# H<sub>2</sub>



Innovative Valve Technology

# VALVE SOLUTIONS FOR HYDROGEN APPLICATIONS

- Wide range of different materials to cover hydrogen standards
- Various types of connections available
- We are the experts for your needs – from standard valves to customized solutions

|   | Type  | Description   | Seat        | Connection  | Function | Pressure range | Medium                           | Temperature range |               |   |
|---|-------|---|-------------|---|----------|----------------|----------------------------------|-------------------|---------------|---|
|   |       |   |             |   |          |                |                                  | Standard          | ATEX          |   |
|    | 55    | 2/2-Way solenoid valve, piston design, direct acting        | DN0.5-DN0.8 | G <sup>1</sup> / <sub>4</sub> BSP or NPT                                | NC/NO    | 0-900 bar      | Hydrogen and other neutral gases | -40 °C/+80 °C     | -40 °C/+60 °C |    |
|   | 55    | 2/2-Way solenoid valve, piston design, direct acting        | DN1-DN6     | G <sup>1</sup> / <sub>4</sub> BSP or NPT                                | NC/NO    | 0-450 bar      | Hydrogen and other neutral gases | -40 °C/+80 °C     | -40 °C/+60 °C |   |
|   | 75HD  | 3/2-Way solenoid valve, piston design, direct acting        | DN1-DN5     | G <sup>1</sup> / <sub>4</sub> BSP or NPT                                | NC/NO    | 0-300 bar      | Hydrogen and other neutral gases | -30 °C/+80 °C     | -30 °C/+60 °C |   |
|   | 2/529 | 2/2-Way solenoid valve, piston design, pilot operated       | DN12-DN50   | G <sup>1</sup> / <sub>4</sub> -G2 BSP or NPT                            | NC/NO    | 1-450 bar      | Hydrogen and other neutral gases | -40 °C/+80 °C     | -40 °C/+60 °C |   |
|  | 3/071 | 2/2-Way solenoid valve, piston design, pilot operated       | DN8         | G <sup>1</sup> / <sub>4</sub> -G <sup>1</sup> / <sub>2</sub> BSP or NPT | NC       | 5-900 bar      | Hydrogen and other neutral gases | -10 °C/+80 °C     | -10 °C/+60 °C |  |
|   | 8/100 | 2/2-Way valve, piston design, direct pressure operated      | DN1-DN8     | G <sup>1</sup> / <sub>8</sub> -G <sup>1</sup> / <sub>4</sub> BSP or NPT | NC/NO/DW | 0-1.200 bar    | Hydrogen and other neutral gases | -40 °C/+80 °C     | -40 °C/+80 °C |   |
|  | 52    | 2/2-Way solenoid valve, piston design, direct acting        | DN1-DN6     | G <sup>1</sup> / <sub>8</sub> -G <sup>1</sup> / <sub>2</sub> BSP or NPT | NC/NO    | 0-90 bar       | Hydrogen and other neutral gases | -10 °C/+80 °C     | -10 °C/+60 °C |  |
|   | 35    | 2/2-Way solenoid valve, piston design, force pilot operated | DN13.5-DN50 | G <sup>1</sup> / <sub>4</sub> -G2 BSP or NPT                            | NC/NO    | 0-40 bar       | Hydrogen and other neutral gases | -40 °C/+80 °C     | -40 °C/+60 °C |   |

GSR offers especially developed valve technology for hydrogen applications. Our product range varies from low to high-pressure and from standard valve to customized solutions.

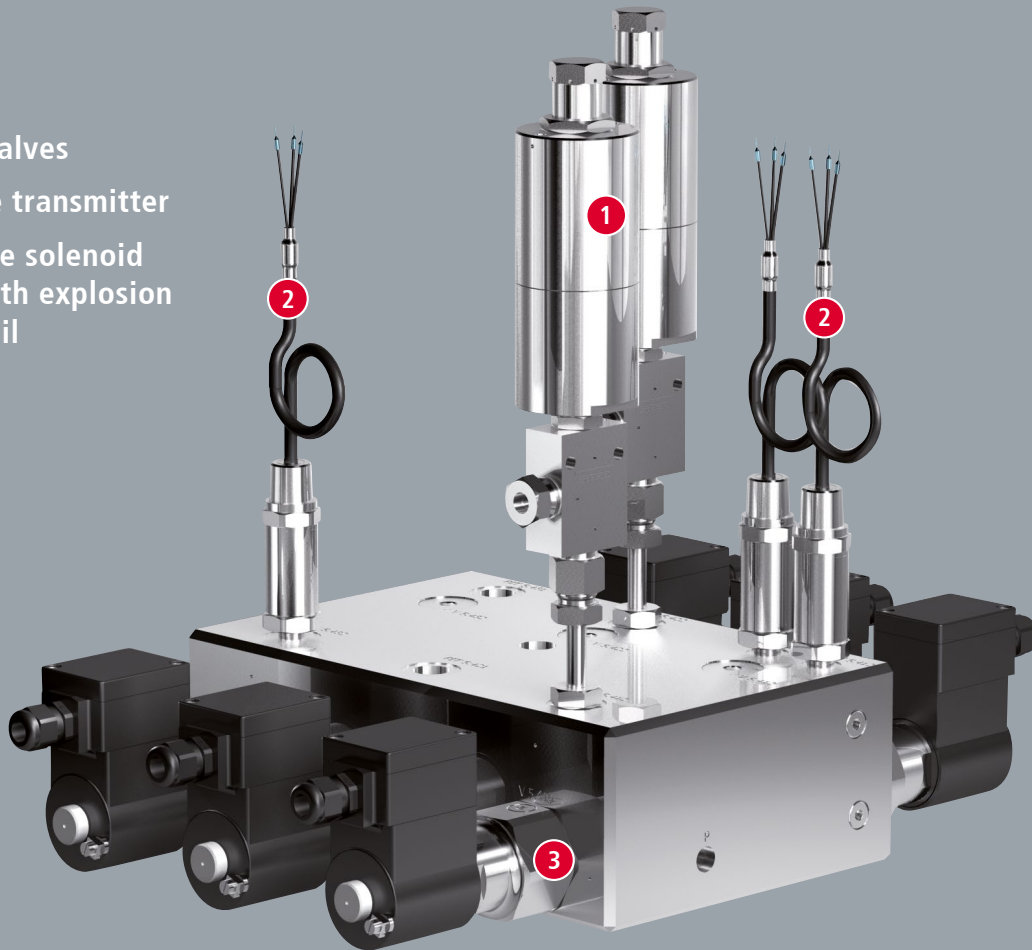
Over 45 years of experience in development, production and worldwide distribution of solenoid and pressure-operated valves makes GSR Ventiltechnik your partner for reliable valve technology.

# VALVE SOLUTIONS FOR HYDROGEN APPLICATIONS

customized solutions



- 1 Safety valves
- 2 Pressure transmitter
- 3 Cartridge solenoid valve with explosion proof coil



Example of a valve block

Our qualified team will support you in choosing the type of valve that fits your application.

## GSR Ventiltechnik GmbH & Co. KG

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