

VALVES FOR **NATURAL GAS APPLICATIONS**

SPECIAL SOLUTIONS FOR HIGH PRESSURE

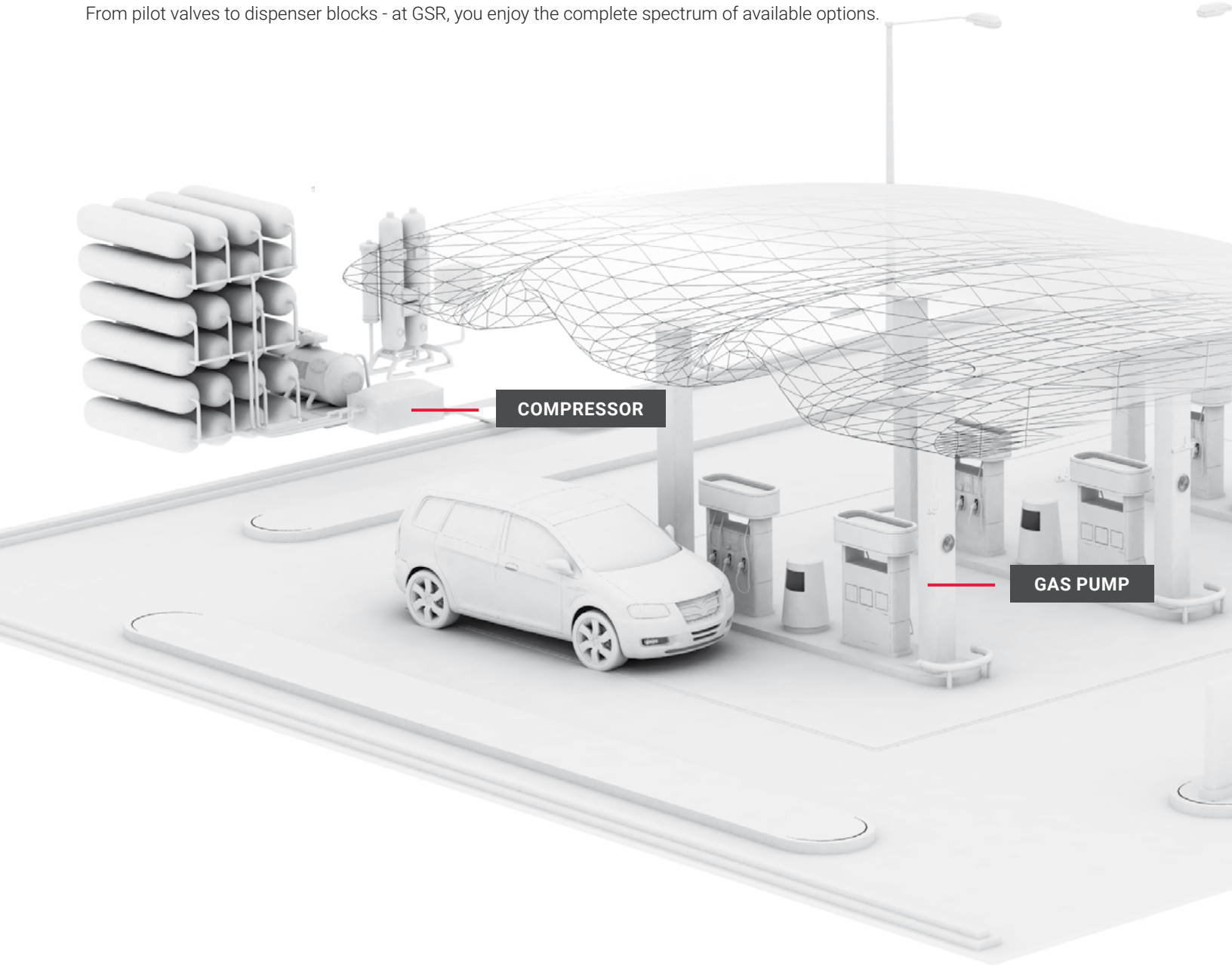
Engineering . Valves . Solutions .



NATURAL GAS FILLING STATIONS

All presented valve versions can be modified for hydrogen applications

From pilot valves to dispenser blocks - at GSR, you enjoy the complete spectrum of available options.



Series 2/529

Single valve up to 6,527 psi, also available as 6-fold or 3-fold valve block



Series 24

Gas supply valve



Series 72

Pilot valve for pneumatic drives

APPLICATIONS INCLUDE:

- Car tank systems and many applications in general mechanical and process engineering
- Ventilation of gas and tank systems
- Pneumatics
- Laboratories



OUR VALVE SPECIALISTS FOR THE FUTURE

Alternatives to mineral oil exist in the gaseous state. The advantage: Natural gas will be extractable for much longer than oil. It burns cleaner and is cheaper than fuels based on mineral oil. As a result, the demand for natural gas filling stations will increase significantly in the future.

Filling and refuelling systems are operated at high pressures and under high safety requirements. Due to our many years of experience in the high-pressure and CNG sector, we can supply all valves required for the function of a natural gas filling station in high quality from an extensive standard kit.

Our range of solutions, especially in the field of natural gas applications, ranges from pilot valves for the control of pneumatic valves, to gas supply valves (up to a pressure range of 6,527 psi). Dispenser blocks with three or six high-pressure valves and priority panels can also be supplied as standard, if required also in ATEX version.

We have developed valves in cartridge design for multi-valve blocks especially for natural gas filling stations. This cartridge is service-friendly and can be easily replaced. Another advantage: valve blocks eliminate the need for complex piping.

Corresponding check valves and easy-to-replace filter units are installed in our valve blocks from the factory. Our high pressure valves are available as single valves up to a pressure range of 13,053 psi or as a 3-fold or 6-fold solenoid valve block.



Series 2/529PN

Pneumatically actuated single valve in the connection sizes 1/2"-2"



Series 3/071

Solenoid actuated single valve in the connection sizes 1/4"-1/2"



6-fold block

Dispenser Block



6-fold block

Priority Panel

VALVES FROM 0-13,053 PSI

Series 52

2/2-way direct acting solenoid valve

Material: stainless steel, brass

Pressure range: 0-1,305 psi

Thread connection
G¹/₈ - G¹/₂, DN1 - DN6



Series 24

2/2-way force pilot operated piston solenoid valve

Material: stainless steel, cast iron, cast steel

Pressure range: 0-580 psi

Flange connection
PN16/40, DN15-DN300



Series 72

3/2-way direct acting solenoid valve

Material: stainless steel, brass

Pressure range: 0-1,305 psi

Thread connection
G¹/₈ - G¹/₂, DN1 - DN6



Series 2/529

2/2-way pilot operated piston solenoid valve

Material: stainless steel

Pressure range: 15-6,527 psi

Thread connection
G¹/₈ - G2, DN6 - DN50



6-fold valve block

2/2-way pilot operated piston solenoid valve as 6-fold block

Material: stainless steel, PEEK

Pressure range: 15-5,076 psi

Thread connection
G¹/₄ - G¹/₂, DN8

Integrated non-return valves



Series 3/071

2/2-way pilot operated piston solenoid valve

Material: stainless steel

Pressure range: 73-13,053 psi

Thread connection
G¹/₄ - G¹/₂, DN8

On request with high pressure connections (TT)



Series 2/529PN

2/2-way externally controlled piston solenoid valve

Material: stainless steel

Pressure range: 15-8,702 psi

Thread connection
G¹/₂ - G2



Priority Panel

2/2-way pilot operated piston solenoid valve

Material: stainless steel

Pressure range: 15-5,076 psi

Thread connection
G¹/₄ - G¹/₂, DN8 - DN14

Integrated non-return valves, Filter & overflow valves



3-fold valve block

2/2-way pilot operated piston solenoid valve as 3-fold block

Material: stainless steel, Peek

Pressure range: 15-5,076 psi

Thread connection
G¹/₈ - G¹/₂, DN8

Integrated filter unit

Integrated non-return valves



6-fold valve block

2/2-way pilot operated piston solenoid valve as 6-fold block

Material: stainless steel, Peek

Pressure range: 15-5,076 psi

Thread connection
G¹/₄ - G¹/₂, DN8

Integrated filter unit

Integrated non-return valves

