SPECIAL SOLUTIONS FOR CNG-APPLICATIONS

Innovative Valve Technology
Natural Gas Filling Stations

Alternatives to mineral oil can be found in gaseous form. Natural gas will remain available for much longer than petroleum. It combats cleaner and is cheaper than mineral oil-based fuels. As a result, the demand for natural gas filling stations will grow significantly. These filling and refueling systems must be operated at high pressure and under highest safety requirements.

Our valves have specifically been designed for natural gas filling stations, in a cartridge design for manifold valve blocks.

The service-friendly cartridge can easily be replaced. Due to the valve blocks, no extensive piping are necessary.

The non-return valves are by factory default integrated into the block, as well as the easy to replace filter unit in the pressure input. Our high pressure valves are available as single valves up to a pressure range of 450 bar, or as 3-fold or 6-fold solenoid valve block.

Due to our long-standing experience in the field of high pressure and CNG, we can provide you with all valves required for proper functioning of a natural gas filling station from our standard modular system and at high quality. The product range stretches from the pilot valve to trigger pneumatic valves to the gas supply valve. Dispenser Blocks and Priority Panels are also available out of the box, if required even as ATEX version.

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

All presented valve versions can modified for hydrogen applications.
Type 52
- 2/2-way direct acting solenoid valve
- Material: stainless steel, brass
- Pressure range: 0-90 bar
- Thread connection G 1/8-G 1/2, DN1-DN6

Type 24
- 2/2-way force pilot operated piston solenoid valve
- Material: stainless steel, cast iron, cast steel
- Pressure range: 0-40 bar
- Flange connection PN16/40, DN15-DN300

Type 72
- 3/2-way direct acting solenoid valve
- Material: stainless steel, brass
- Pressure range: 0-90 bar
- Thread connection G 1/8-G 1/2, DN1-DN6

Type 2/529
- 2/2-way pilot operated piston solenoid valve
- Material: stainless steel
- Pressure range: 1-450 bar
- Thread connection G 1/8-G 1/2, DN6-DN50

6-fold valve block
- 2/2-way pilot operated piston solenoid valve as 6-fold block
- Material: stainless steel, PEEK
- Pressure range: 2-350 bar
- Thread connection G 1/4-G 1/2, DN8
- Integrated non-return valves
- For CNG

Type 3/062
- 2/2-way pilot operated piston solenoid valve
- Material: stainless steel, PEEK
- Pressure range: 5-350 bar
- Thread connection G 1/4-G 1/2, DN8

3-fold valve block
- 2/2-way pilot operated piston solenoid valve as 3-fold block
- Material: stainless steel, PEEK
- Pressure range: 1-350 bar
- Thread connection G 1/4-G 1/2, DN13
- Integrated filter unit
- Integrated non-return valves
- For CNG

6-fold valve block
- 2/2-way pilot operated piston solenoid valve as 6-fold block
- Material: stainless steel, PEEK
- Pressure range: 1-350 bar
- Thread connection G 1/4-G 1/2, DN13
- Integrated filter unit
- Integrated non-return valves
- For CNG