

SOLENOID VALVES

Pilot operated solenoid valves
GSR Ventiltechnik



DESCRIPTION

Pilot operated valves are characterized by their simple, solid design. As sealing elements, the options are a diaphragm for pressure up to 20 bar or a piston for pressure up to 40 bar.

Valves of this type need a pressure differential of the operating pressure for opening and closing. The minimum required pressure is specified as minimum pressure in the technical data sheet.

The solenoid system only has a pilot function which relieves the main sealing element, i.e. the diaphragm or the piston. The medium pressure or the present pressure differential lifts the main seal.

APPLICATION FIELDS

- » Filling systems
- » Irrigation systems
- » Fountain equipment
- » Sanitary equipment
- » Water treatment
- » Pneumatics
- » Mixing systems
- » Pipelines
- » Drinking water systems
- » And many applications in general mechanical and process engineering

MATERIALS

Body with screw socket:

- » Brass
- » Stainless steel

Body with flanged connection:

- » Cast iron EN-GJL-250
- » Cast steel GP240 GH
- » Stainless steel
- » Spheroidal graphite EN-GJS-400-18-LT

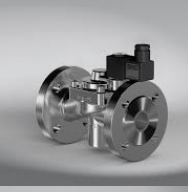
Sealing

- » PTFE

MEDIUM TEMPERATURE

-40°C - +80°C

APPLICATION FIELDS

	Type	Design	Connection		Pressure range	Body material
			Thread	Flange		
	40	2/2-way valve with diaphragm seal	G ^{1/4} -G3 13,5-80 mm	-	0,3-20 bar	Brass 2.0401 Stainless steel 1.4581
	28	2/2-way valve with diaphragm seal	-	DN15-50	0,3-20 bar	Cast iron ENG-GJL-250 Cast steel GPH 240 GH Stainless steel 1.4581
	51	2/2-way valve with piston seal	G ^{1/4} -G2 13,5-50 mm	-	0,5-40 bar	Brass 2.0401 Stainless steel 1.4581
	54	2/2-way valve with piston seal	-	DN15-50	0,5-40 bar	Cast iron EN-GJL-250 Cast steel GP240 GH Stainless steel 1.4581
	25	2/2-way valve with piston seal	-	DN65-300	1-40 bar	Spheroidal graphite EN-GJS-400-19-LT Cast iron EN-GJL-250 Cast steel GP240 GH