

2/2-way sol. valve,AISI 304,FPM,NC, force pilot op.,24 V DC,G 1/2 - Riegler 102981

Item no. RGL-102981

Manufacturer Riegler

EAN 4047322157537

2/2-way sol. valve,AISI 304,FPM,NC, force pilot op.,24 V DC,G 1/2

TECHNICAL DATA

Betriebsdruck max [bar]	3.000000
Country of Manufacture	Germany
Function	normally closed (NC)
Housing material	Stainless steel 1.4301
Material	Stainless steel 1.4301
Nominal size DN [mm]	16
Norm	DIN 4400, DIN EN ISO 228-1
Operating voltage	24 V DC
Pneumatic connection	G1/2
Protection rating	IP65
Seal material	FPM
Thread	G 1/2
Weight	1.104 kg
Zolltarifnummer	84818079



STANDARDS & COMPLIANCE

ISO 228-1 ISO 7-1 DIN 4400

DESCRIPTION

2/2-way sol. valve,AISI 304,FPM,NC,force pilot op., 24 V DC,med. temperature -15°C - 100°C,amb.temp.-15°C - 75°C,G 1/2,PN 0-3 bar Available versions - Directly operated - Combined operation

TECHNICAL DATA

Min. operating pressure	0 bar
Max. operating pressure	3 bar
Protection IP	IP 65 (with connector socket fitted)
Electrical connection	for connector socket PG 11 P acc. to DIN 4400
Housing	stainless steel 1.4301
Valve seat	stainless steel 1.4301
Internal parts	stainless steel
Sealant	FPM

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Min. ambient temperature	-15 °C
Max. ambient temperature	75 °C
Min. medium temperature	-15 °C
Max. medium temperature	100 °C
Thread	G 1/2
Type	3
Function	normally closed (NC)
DN	16 mm
A	80.0 mm
B	71.0 mm
Voltage	24 V DC

STANDARDS AND ORIGIN

- Customs tariff number: 84818079
- Country of origin: DE

ABOUT SOLENOID VALVES

Solenoid valves switch a media flow electrically, with no manual intervention at the line. The range covers nominal sizes from DN 1 to DN 66 and operating pressures up to 50 bar, with ports from G 1/8 to G 2. Some versions work from -1 bar upwards, which makes them suitable for vacuum duty.

WHAT MATTERS WHEN CHOOSING

- Function: normally closed (NC), normally open (NO) or any flow direction (BEL). What matters is the state the plant should assume when power is lost.
- Voltage: 12 V DC, 24 V DC, 24 V AC, 110 V AC and 230 V AC, plus 24 V AC/DC and 230 V AC/DC versions. Follow whatever the existing control system supplies.
- Sealing material NBR, FKM, FPM, EPDM, PTFE or FFKM: match the elastomer to the medium and to the media temperature, which runs between -30 and 160 °C depending on version.
- Body material: brass, aluminium, polyamide, glass-fibre reinforced polyamide, polypropylene or stainless steel 1.4301, 1.4401 and 1.4581. Stainless steel is the choice for corrosive media and demanding wash-down regimes.
- Nominal size DN 1 to 66 mm and operating pressure: upper limits run from 1 to 50 bar, and nominal size sets the achievable flow.

TYPICAL APPLICATIONS

- Shutting off and releasing compressed air in machines and plant
- Cleaning fabric filters in dust collection systems using pulse diaphragm valves
- Switching duties in cooling and heating water circuits
- Dosing and filling stations handling thin, neutral media
- Vacuum applications with operating pressures from -1 bar

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Threads are made to DIN EN ISO 228-1 or ISO 7-1. Protection class IP 65 or IP 67 is reached with the connector socket correctly fitted.