

Brass ball valve Pneu. actuation drive spring switching, Rp 2 1/2 - Riegler 103538

Item no. RGL-103538

Manufacturer Riegler

EAN 4047322076081

Brass ball valve Pneu. actuation drive spring switching, Rp 2 1/2

TECHNICAL DATA

Ausführungstyp	einfachwirkend - federschließend
Certification	ATEX, IEC 60529
Country of Manufacture	Germany
Nominal pressure PN [bar]	25
Nominal size DN [mm]	65
Norm	DIN EN 10226, DIN EN ISO 228-1, ISO 5211
Pneumatic connection	Rp2 1/2
Temperature (max.)	70
Thread	Rp 2 1/2
Weight	7.321 kg
Zolltarifnummer	84818081



STANDARDS & COMPLIANCE

ISO 228-1 ISO 7-1 DIN EN 10226 ISO 5211 DIN EN 60529

DESCRIPTION

2-way brass ball valve Pneumat. actuation drive spring switching, Operating temp. max. 70°C, Rp 2 1/2, DN 65, PN max. 25 bar 2-way cock, full bore. Pneumatic actuators, double- or single acting version and integrated end-position feedback.

TECHNICAL DATA

Min. operating temperature

-20 °C

Max. operating temperature

70 °C

Material actuator

Anodised aluminium

Material ball valve

nickel-plated brass, with ISO flange plate

Sealant ball valve

PTFE / FKM

Sealant actuator

NBR

Angle of rotation

90 °

Valve adapter

Supplied as standard

Thread

Rp 2 1/2

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Page 1/2

DN	65 mm
Version	single-acting - spring to close
B	230.0 mm
L	155.0 mm
A	209.0 mm
D	57.0 mm
a/f	83 mm
PN	25 bar

STANDARDS AND ORIGIN

- Customs tariff number: 84818081
- Country of origin: DE

ABOUT 2-WAY BALL VALVES

Ball valves shut off a line with a quarter turn and give full bore when open. The range covers nominal sizes from DN 5 to DN 100 and pressure ratings from PN 12 to PN 100, with threads from G 1/4 to G 2 and Rp 1/2 to Rp 1 1/4. Alongside hand-operated versions there are pneumatically and electrically actuated variants.

WHAT MATTERS WHEN CHOOSING

- Nominal size DN 5 to 100 and pressure rating PN 12 to 100: both follow from line size and system pressure.
- Thread type: parallel G threads to DIN EN ISO 228-1 and tapered threads to ISO 7-1 or DIN EN 10226 are both represented. The standard has to match the mating part in the line.
- Actuation: besides hand levers there are pneumatic actuators in double-acting, single-acting spring-to-close and single-acting spring-to-open form, plus electric actuators for 230 V AC / 50 Hz and 24 V DC. Spring-return units move to a defined position if control air is lost.
- Body material: nickel-plated, chrome-plated or bare brass, stainless steel 1.4401 and 1.4408, aluminium and powder-coated aluminium, and the plastics PA and PA6/PC.
- Position feedback: versions are available with microswitch, with inductive switch and with inductive switch in ATEX design.

TYPICAL APPLICATIONS

- Isolating compressed air lines for maintenance and modification work
- Shut-off and changeover points in water and cooling circuits
- Process lines carrying neutral gases and liquids
- Remote isolation using pneumatic or electric actuators
- Shut-off points that report their position back to the higher-level control

Threads follow DIN EN ISO 228-1, DIN EN 10226 or ISO 7-1, mounting plates follow ISO 5211. Depending on version, actuators and switches reach IP 66/67 or IP 68 to DIN EN 60529.

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Page 2/2