

Ball valve, Standard type, IT/IT, nickel-plated brass, G 1/4 - Riegler 103093

Item no. RGL-103093

Manufacturer Riegler

EAN 4047322397322

Ball valve, Standard type, IT/IT, nickel-plated brass, G 1/4

TECHNICAL DATA

Certification	ATEX, IEC 60529
Country of Manufacture	Italy
Material	Nickel-plated brass
Nominal pressure PN [bar]	50
Nominal size DN [mm]	8
Norm	DIN EN 10226, DIN EN ISO 228-1, ISO 5211
Pneumatic connection	G1/4
Thread	G 1/4
Thread standard	DIN EN ISO 228-1, tolerance class B
Weight	0.12 kg
Zolltarifnummer	84818081



STANDARDS & COMPLIANCE

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

DESCRIPTION

Ball valve, Manual lever, Standard type, IT/IT, nickel-plated brass, Operating temp. -20°C to 150°C, G 1/4, DN 8, PN max. 50 bar Applications: Compressed air, water, non-toxic and non-corrosive gases, heating systems and air conditioning systems.

TECHNICAL DATA

Material	nickel-plated brass
Thread	G 1/4
Ball	chrome-plated brass
Ball seal	PTFE
Stem seal	NBR / FKM (Seal package consists of 2 O-rings)
PN	50 bar
Operating temperature	-20 °C to 150 °C (no steam)
Hand lever	galvanised steel, painted red
Thread material	nickel-plated brass

DN	8 mm
L	44.4 mm
A	80.0 mm
B	37.0 mm
E	10.0 mm
F	10.0 mm

STANDARDS AND ORIGIN

- Standard thread: DIN EN ISO 228-1, tolerance class B
- Customs tariff number: 84818081
- Country of origin: IT

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.

A1-ESD equipment

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