

Ball valve heavy duty design, Manual lever, ET/ET, R 1 1/2 - Riegler 103285

Item no. RGL-103285

Manufacturer Riegler

EAN 4047322216272

Ball valve heavy duty design, Manual lever, ET/ET, R 1 1/2

TECHNICAL DATA

Certification	ATEX, IEC 60529
Country of Manufacture	Italy
Housing material	Nickel-plated brass
Material	Nickel-plated brass
Nominal pressure PN [bar]	100
Nominal size DN [mm]	40
Norm	DIN EN 10226, DIN EN ISO 228-1, ISO 5211
Pneumatic connection	R1 1/2
Temperature (max.)	130
Thread	R 1 1/2
Thread standard	DIN EN 10226 (ISO 7-1)
Weight	2.403 kg
Zolltarifnummer	84818081



STANDARDS & COMPLIANCE

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

DESCRIPTION

Ball valve heavy duty design, Manual lever, ET/ET, nickel-plated brass, Operating temp. -20 °C to 130 °C, R 1 1/2, PN max. 100 bar Applications: Compressed air, water, neutral and non-toxic gases, fuel oil (light distillate), fuel oil (heavy), lubricating oils, diesel oils.

TECHNICAL DATA

Min. operating temperature

-20 °C

Max. operating temperature

130 °C

Thread

R 1 1/2

Ball

hard chrome-plated brass

Ball seal

PTFE

Stem seal

PTFE

PN

100 bar

Hand lever

aluminium, painted black

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Thread material	bright brass
Housing	nickel-plated brass
DN	40 mm
L	136.0 mm
A	150.0 mm
B	102.9 mm
E	21.2 mm
F	21.2 mm
a/f	57 mm

STANDARDS AND ORIGIN

- Standard thread: DIN EN 10226 (ISO 7-1)
- 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.

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Depending on version, actuators and switches reach IP 66/67 or IP 68 to DIN EN 60529.