



ECON® Ball valve Type: 1607ISO Brass Internal thread (BSPP) PN25/40

Characteristics

Type: 1607ISO
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 2-part
Housing material: Brass
Material quality: CW617N
Surface protection: Nickel-plated
Connection: Internal thread (BSPP)
Top flange standard: ISO 5211 Direct Mount
Spindle material: Brass
Primary spindle seal material: PTFE
Secondary spindle seal material: HNBR
Body seal: PTFE
Minimum medium temperature (continuous): 0 °C
Maximum medium temperature (continuous): 130 °C

Application

- HVAC, water and compressed air systems.

Technical Information

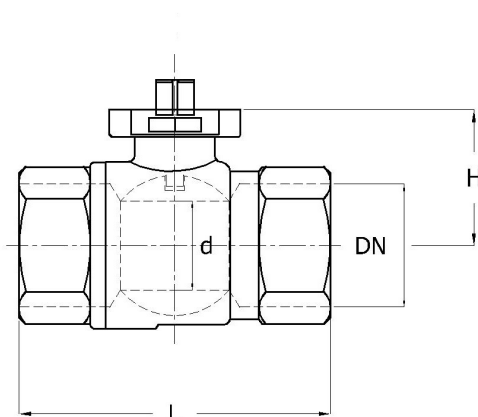
- Connections with female threads in accordance with EN 10226-1 (ISO 7/1).
- Ball valve with floating ball.
- With direct-mount top flange in accordance with ISO 5211.
- Version with free shaft end (no actuation).
- Available in sizes ranging from 1/2" to 2".
- Pressure class PN40 for the 1/2" to 1.1/4" versions and PN25 for the 1 1/2" and 2" versions.

Construction

- Two-piece housing construction.
- Design in accordance with EN 13828.
- Full bore.
- Face-to-face dimension according to manufacturer's standard.

Options

- Available with either a pneumatic or electric actuator.
- Position feedback for automated valves.



Size table:

DN	d	L	H	Weight
	mm	mm	mm	kg
1/2" [15]	15	75	38	0.22
3/4" [20]	20	80	40.5	0.31
1" [25]	25	90	44	0.54
1.1/4" [32]	32	110	55	0.87
1.1/2" [40]	40	120	61.5	1.16
2" [50]	50	140	73	1.99

Size	Pressure class	Pressure and temperature range			
		-20	90	130	[°C]
1/2" - 1.1/4"	PN40	40	25	16	[bar]
1.1/2" - 2"	PN25	25	15	10	[bar]

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Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	Material ball	Seat material	Article
1/2" [15]	ISO 7/1 Rp	PN40	Manufacturer standard	Bare stem	F03		Full bore	CW614N chromed	PTFE	EC0160701/2E-402E
3/4" [20]	ISO 7/1 Rp	PN40	Manufacturer standard	Bare stem	F03		Full bore	CW614N chromed	PTFE	EC0160703/4-E402E
1" [25]	ISO 7/1 Rp	PN40	Manufacturer standard	Bare stem	F03	F04	Full bore	CW614N chromed	PTFE	EC016070001-E402E
1.1/4" [32]	ISO 7/1 Rp	PN40	Manufacturer standard	Bare stem	F04	F05	Full bore	CW614N chromed	PTFE	EC0160711/4E-402E
1.1/2" [40]	ISO 7/1 Rp	PN25	Manufacturer standard	Bare stem	F04	F05	Full bore	CW614N chromed	PTFE	EC0160711/2E-402E
2" [50]	ISO 7/1 Rp	PN25	Manufacturer standard	Bare stem	F05		Full bore	CW614N chromed	PTFE	EC016070002-E402E

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