ECON® Ball valve Type: 1607 Brass Internal thread (BSPP) PN16 to PN80

Characteristics

Type: 1607
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)
Secondary spindle seal material: HNBR
Body seal: PTFE
Actuator material: Aluminium

Application

- HVAC, water and compressed air systems.

Technical Information

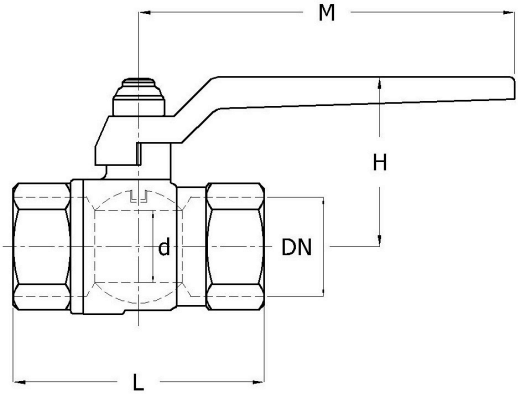
- Connections with female threads in accordance with EN 10226-1 (ISO 7/1).
- Ball valve with floating ball.
- Version with lever.
- Available in sizes ranging from 1/4" to 4".
- Pressure class PN80 for the 1/4" and 3/8" versions, PN50 for the 1/2" to 1 1/4" versions, PN40 for the 1 1/2 " and 2" versions, PN25 for the 3" version and PN16 for the 4" version.

Construction

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

Options

- Connections with NPT threads in accordance with ASME B1.20.1, figure 1607NPT.
- With "direct mount" top flange in accordance with ISO 5211, figure 1607ISO.
- Available with extended spindle for insulation.



Size table:

DN	d	L	H	M	Weight
	mm	mm	mm	mm	kg
1/4" [8]	8	47.5	38.5	80	0.13
3/8" [10]	10	49.5	38.5	80	0.14
1/2" [15]	15	59.5	41	95	0.24
3/4" [20]	20	70	50.5	115	0.39
1" [25]	25	83	54.5	115	0.6
1.1/4" [32]	32	98.5	66	130	0.99
1.1/2" [40]	40	108	72	150	1.52
2" [50]	50	130	88.5	170	2.49
2.1/2" [65]	65	158	100	170	3.53
3" [80]	80	181.5	118	235	5.66
4" [100]	100	219	133	235	9.18

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Pressure and temperature range					
Size	Pressure class	-20	90	130	[°C]
1/4" - 3/8"	PN80	80	50	28	[bar]
1/2" - 1.1/4"	PN50	50	30	18	[bar]
1.1/2" - 2.1/2"	PN40	40	25	16	[bar]
3"	PN25	25	15	9	[bar]
4"	PN16	16	8	4	[bar]

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Manual operation	Bore	Material ball	Seat material	Spindle material	Primary spindle seal material	Article
1/4" [8]	ISO 7/1 Rp	PN80	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160701/4E-712E
3/8" [10]	ISO 7/1 Rp	PN80	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160703/8-E712E
1/2" [15]	ISO 7/1 Rp	PN50	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160701/2E-712E
3/4" [20]	ISO 7/1 Rp	PN50	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160703/4-E712E
1" [25]	ISO 7/1 Rp	PN50	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160700 01-E712E
1.1/4" [32]	ISO 7/1 Rp	PN50	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160711/4E712E
1.1/2" [40]	ISO 7/1 Rp	PN40	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160711/2E-712E
2" [50]	ISO 7/1 Rp	PN40	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160700 02-E712E
2.1/2" [65]	ISO 7/1 Rp	PN40	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160721/2E-712E
3" [80]	ISO 7/1 Rp	PN25	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160700 03-E712E
4" [100]	ISO 7/1 Rp	PN16	Manufacturer standard	Handle	Full bore	CW614N chromed	PTFE	Brass	PTFE	EC0160700 04-E712E

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