

ECON® Ball valve Type: 7424 Steel Internal thread (BSPP) 1000 PSI WOG



Characteristics

Type: 7424

Norm: EN (DIN)

Construction type: 2-way

Housing construction: 3-part

Housing material: Steel

Material quality: 1.0619

Surface protection: Chemical blackened

Connection: Internal thread (BSPP)

Top flange standard: ISO 5211 Direct Mount

Spindle material: 1.4401

Primary spindle seal material: PTFE

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: PTFE

Body seal: PTFE

Minimum medium temperature (continuous): -10 °C

Maximum medium temperature (continuous): 205 °C

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 68 bar.

Technical Information

- Connection according to ISO 228-1 BSPP.
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-4 inches.
- With "direct mount" top-flange in accordance with ISO-5211.
- Cavity relief bore in the ball.
- Double self-adjusting gland packing in accordance with TA Luft regulations.
- Equipped with lockable lever.

Construction

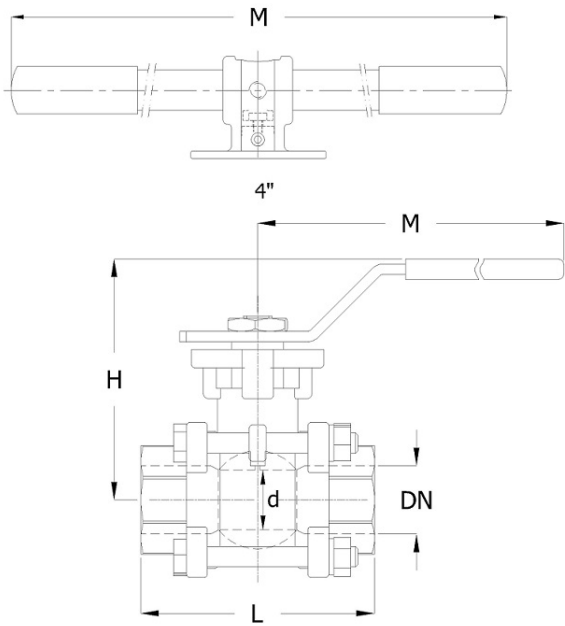
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Stainless steel housing material, type 7444
- Ball seals in TFM4215
- Stainless steel extended spindle type 8007 for insulation.
- Connection in NPT according to ASME B1.20.1, type 7524
- Connection in projection welding acc. to B16.11 or butt welding acc. to B16.25, Schedule 40, type 7624



Size table:

DN	d mm	L mm	H mm	M mm	Weight kg
1/4" [8]	10.6	75	72	147	0.6
3/8" [10]	12.7	75	72	147	0.6
1/2" [15]	15	75	72	147	0.7
3/4" [20]	20	80	79	147	0.9
1" [25]	25	90	89	177	1.4
1.1/4" [32]	32	110	93	177	2
1.1/2" [40]	38	120	103	197	3

Pressure and temperature range							
Size	Temperature range	-10	38	100	150	200	[°C]
1/4" - 2"	-10°C/+200°C	68	68	44	22	1	[bar]
2.1/2" - 4"	-10°C/+200°C	50	50	32	16	1	[bar]
Pressure class 1000 PSI WOG							

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Material ball	Seat material	Article
1/4" [8]	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	PTFE	13467659
3/8" [10]	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	PTFE	13467660
1/2" [15]	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	PTFE	13467661
3/4" [20]	1000 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	Yes	1.4301	PTFE	13467662
1" [25]	1000 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	Yes	1.4301	PTFE	13467663
1.1/4" [32]	1000 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	Yes	1.4301	PTFE	13467664
1.1/2" [40]	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	PTFE	13467665

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice. ERIKS shall never be liable for damage resulting from the use of the information provided.