

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

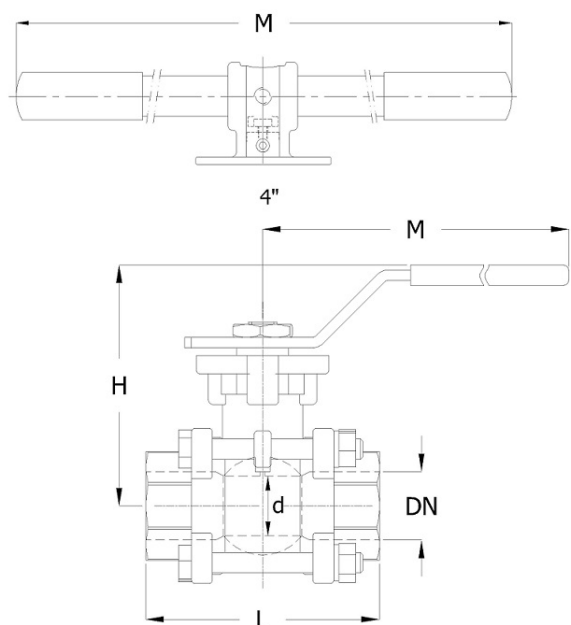
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

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
2" [50]	50	140	110	197	4.3
2.1/2" [65]	63.5	185.5	150	267	8.2
3" [80]	76	205	159	267	11.2
4" [100]	100	240	212	400	22.1

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
2" [50]	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	PTFE	13467666
2.1/2" [65]	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	1.4301	PTFE	13467667
3" [80]	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	1.4301	PTFE	13467668
4" [100]	1000 PSI WOG	Manufacturer standard	T-wrench	F10		Full bore	No	1.4301	PTFE	13467669

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