



ECON® Ball valve Type: 7444 Stainless steel Internal thread (BSPP) 1000 PSI WOG



Characteristics

Type: 7444
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (BSPP)
Top flange standard: ISO 5211 Direct Mount
Material ball: 1.4408
Seat material: PTFE
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE
Body seal: PTFE
Actuator material: 1.4301
Minimum medium temperature (continuous): -29 °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.
- Recommended in: Food & Beverages

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

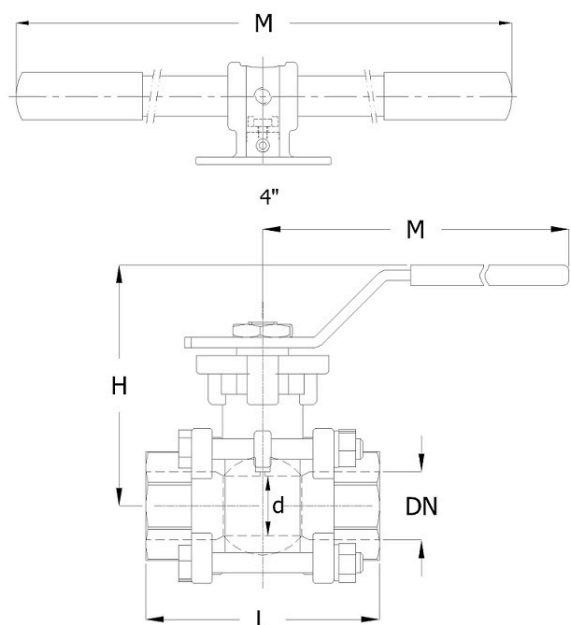
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Declaration of conformity according to EC 1935/2004.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Steel housing, type 7424
- Ball seals in TFM4215
- Stainless steel extended spindle type 8007 for insulation.
- Connection in NPT according to ASME B1.20.1, type 7544
- Connection in projection welding acc. to B16.11 or butt-welding acc. to B16.25, Schedule 40, type 7644
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Size table:

DN	d	L	H	M	Weight
	mm	mm	mm	mm	kg
1/4" [8]	10.6	75	72	147	0.6
3/8" [10]	12.7	75	72	147	0.6
3/4" [20]	20	80	79	147	0.9
1" [25]	25	90	89	177	1.4
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

Pressure and temperature range							
Size	Temperature range	-29	38	100	150	200	[°C]
1/4" - 2"	-29°C/+200°C	68	68	44	22	1	[bar]
2.1/2" - 4"	-29°C/+200°C	50	50	32	16	1	[bar]
Pressure class 1000 PSI WOG							

Nominal inner diameter	Standard thread connection	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Maximum operating pressure bar	Article
1/4" [8]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	63	EC0744401/4-RPBD
3/8" [10]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	63	EC0744403/8-RPBD
3/4" [20]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	Yes	63	EC0744403/4-RPBD
1" [25]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	Yes	63	EC074440001-RPBD
1.1/2" [40]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	63	EC0744411/2R-PBD
2" [50]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	63	EC074440002-RPBD
2.1/2" [65]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	51	EC0744421/2-RPBD
3" [80]	ISO 228-1	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	51	EC07444000-3RPBD

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