

ECON® Ball valve Type: 7752ISO Stainless steel Internal thread (NPT) 1000 PSI WOG



Characteristics

Type: 7752ISO
Norm: ASME
Construction type: 2-way
Housing construction: 2-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Internal thread (NPT)
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 ASME B1.20.1 NPT.
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-3 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

- Two-piece housing construction.
- Design in accordance with EN 12516-2.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

Approval

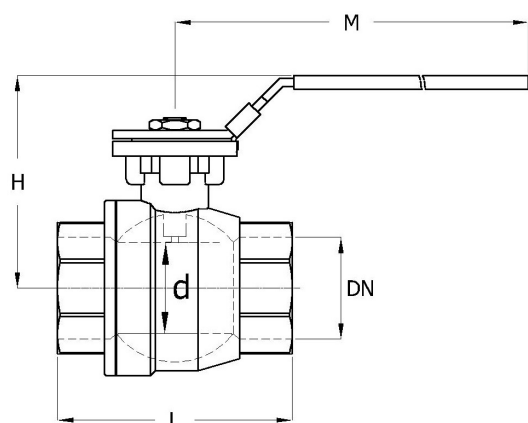
- TA Luft certified in accordance with VDI 2440, section 3.3.1.3.
- Declaration of conformity according to EC 1935/2004.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Stainless steel extended spindle type 8007 for insulation.
- Connection in BSP according to ISO 228-1.

Size table:

DN	d	L	H	M	Weight
	mm	mm	mm	mm	kg
1/4" [8]	10.6	64	72	145	0.4
3/8" [10]	12.7	64	72	145	0.4
1/2" [15]	15	64	72	145	0.5
3/4" [20]	20	70.4	80	145	0.6
1" [25]	25	85	90	175	1
1.1/4" [32]	32	94	95	175	1.4
1.1/2" [40]	38	105	106	194	2.2
2.1/2" [65]	63.5	155	150	265	6.5
3" [80]	76	173	159	265	9.2



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" - 3"	-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]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	63	EC0775201/4L-M2A
3/8" [10]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	63	EC0775203/8-LM2A
1/2" [15]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	63	EC0775201/2L-M2A
3/4" [20]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	Yes	63	EC0775203/4-LM2A
1" [25]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	Yes	63	EC077520001-LM2A
1.1/4" [32]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	Yes	63	EC0775211/4L-M2A
1.1/2" [40]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	63	EC0775211/2L-M2A
2.1/2" [65]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	51	EC0775221/2L-M2A
3" [80]	ASME B1.20.1	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	51	EC077520003-LM2A

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