ECON® Ball valve Type: 7646 Stainless steel Butt weld B16.25 S40 1000 PSI WOG

Characteristics

Type: 7646
Norm: ASME
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Butt weld
Standard welding connection: B16.25 S40
Seat material: PTFE
Spindle material: 1.4401
Primary spindle seal material: PTFE
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

- Light industrial applications up to 68 bar.
- Recommended in: Food & Beverages

Technical Information

- Connection according to ASME B16.11 (projection welding) or ASME B16.25, Schedule 40 (butt-welding)
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-3 inches
- Cavity relief bore in the ball.
- 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.

Options

- Connection in NPT according to ASME B1.20.1, type 7546
- Connection in BSP according to ISO 228-1, type 7446
- With "direct mount" top-flange in accordance with ISO 5211, type 7644

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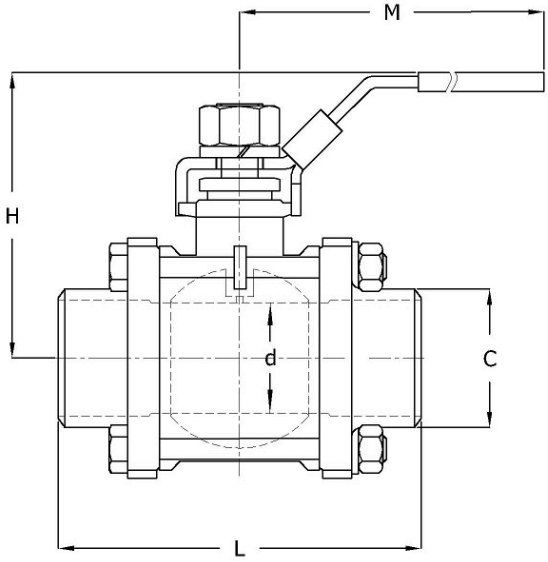

Size table:

DN	d	L	H	M	C	Weight
	mm	mm	mm	mm	mm	kg
1/4" [8]	10.6	65.2	58	100	18	0.5
3/8" [10]	12.7	65.2	58	100	18	0.5
1/2" [15]	15	75	58	100	22	0.5
3/4" [20]	20	90	63	129	28	0.7
1" [25]	25	100	76	156	34	1.4
1.1/4" [32]	32	110	81	156	43	1.8
1.1/2" [40]	38	125	94	184	50	2.5
2" [50]	50	150	105	184	61	3.7
3" [80]	76	220	139	252	92	10.5

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	External tube diameter of connection	Wall thickness, connection	Pressure rating	Face to Face norm	Manual operation	Bore	With locking device	Material ball	Maximum operating pressure	Article
	mm	mm							bar	
1/4" [8]	18	4.35	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764601/4-RPWN
3/8" [10]	18	2.75	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764603/8-RPWN
1/2" [15]	22	3.1	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764601/2-RPWN
3/4" [20]	28	3.55	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764603/4-RPWN
1" [25]	34	3.65	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC076460001-RPWN
1.1/4" [32]	43	3.95	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764611/4R-PWN
1.1/2" [40]	50	4.55	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC0764611/2R-PWN
2" [50]	61	4.25	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	EC07646000-2RPWN
3" [80]	92	7	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	51	EC07646000-3RPWN

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