



ECON® Ball valve Type: 7646 Stainless steel Socket weld B16.11 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: Socket weld

Standard welding connection: B16.11

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

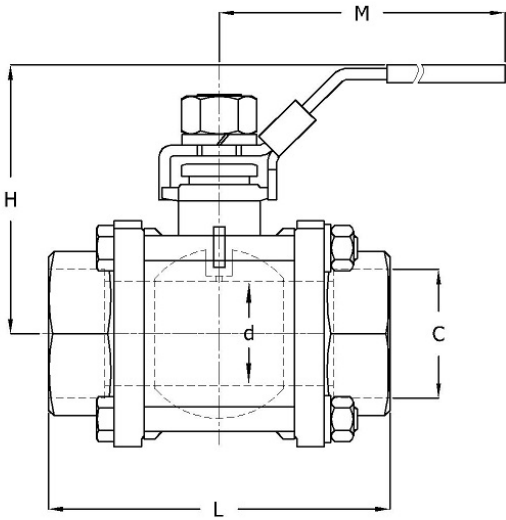
- Connection according to ASME B16.11 (projection welding) or ASME B16.25, Schedule 40 (butt-welding)
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-3 inches
- Cavity relief bore in the ball.
- Equipped with lockable lever.

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



Size table:

DN	d	L	H	M	C	Weight
	mm	mm	mm	mm	mm	kg
1/4" [8]	10.6	65.2	58	100	14.2	0.5
1/2" [15]	15	69.5	58	100	21.8	0.5
3/4" [20]	20	80	63	129	27.3	0.7
1" [25]	25	90	76	156	34	1.4
1.1/2" [40]	38	120	94	184	48.9	2.5
2" [50]	50	140	105	184	61.4	3.7
2.1/2" [65]	63.5	185	131	252	74	7
3" [80]	76	205	139	252	90	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	Pressure rating	Face to Face norm	Manual operation	Bore	With locking device	Material ball	Seat material	Maximum operating pressure	Article
	mm								bar	
1/4" [8]	14.2	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC0764601/4-RPSN
1/2" [15]	21.8	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC0764601/2-RPSN
3/4" [20]	27.3	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC0764603/4-RPSN
1" [25]	34	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC076460001-RPSN
1.1/2" [40]	48.9	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC0764611/2R-PSN
2" [50]	61.4	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	EC07646000-2RPSN
2.1/2" [65]	74	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	51	EC0764621/2-RPSN
3" [80]	90	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	51	EC07646000-3RPSN

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