



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

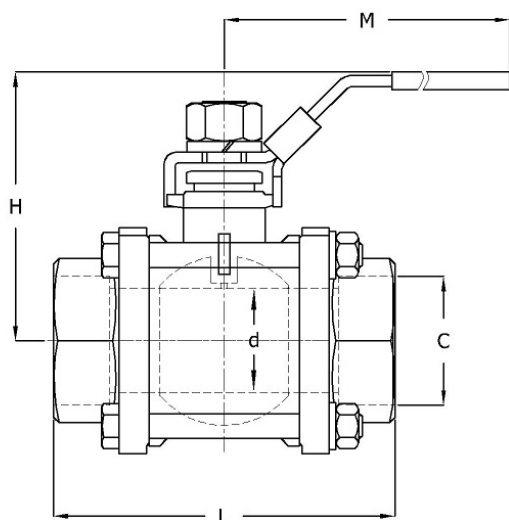
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

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
3/8" [10]	12.7	75	58	100	17.8	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
1.1/4" [32]	32	110	81	156	42.8	1.8
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	11814634
3/8" [10]	17.8	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	13486610
1/2" [15]	21.8	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814636
3/4" [20]	27.3	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814637
1" [25]	34	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814638
1.1/4" [32]	42.8	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814639
1.1/2" [40]	48.9	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814640
2" [50]	61.4	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	63	11814641
2.1/2" [65]	74	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	51	11814642
3" [80]	90	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	PTFE	51	11814643

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