

ECON® Ball valve Type: 7646 Stainless steel Butt weld B16.25 **\$40 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 (buttwelding)
- 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

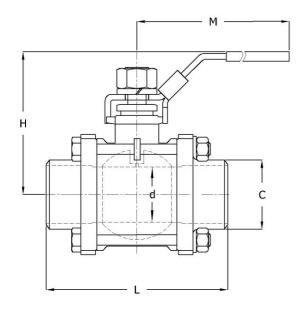
- Connection in NPT according to ASME B1.20.1, type
- Connection in BSP according to ISO 228-1, type
- With "direct mount" top-flange in accordance with ISO 5211, type 7644

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Ball Valves | Ball valves with welding connection



Size table:

DN	d	L	н	М	С	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	
2.1/2" [65]	63.5	190	131	252	76	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 mm	Wall thickness, connection mm	Pressure rating	Face to Face norm	Manual operation	Bore	With locking device	Material ball	Maximum operating pressure bar	Article
1/4" (8)	18	4.35	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	11814624
3/8" (10)	18	2.75	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	63	11814625
1/2" (15)	22		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814626
3/4" [20]	28		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814627
1" (25)	34		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814628
1.1/4" (32)	43		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814629
1.1/2" [40]	50		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814630
2" (50)	61		1000 PSI WOG		Handle	Full bore	Yes	1.4408	63	11814631
2.1/2" (65)	76		1000 PSI WOG		Handle	Full bore	Yes	1.4408	51	11814632
3" (80)	92	7	1000 PSI WOG	Manufacturer standard	Handle	Full bore	Yes	1.4408	51	11814633

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