

ECON® Ball valve Type: 7621 Stainless steel Butt weld EN ISO 1127-1 400 PSI WOG



Characteristics

Type: 7621
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Butt weld
Standard welding connection: EN ISO 1127-1
Top flange standard: ISO 5211 Direct Mount
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

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 27 bar.
- Recommended in: Food & Beverages, Food primary processes (contact with food), Pharma

Technical Information

- Connection according to ISO1127-1
- Floating ball.
- Pressure class 400 PSI WOG
- In sizes 0.5-4 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, 4 inches with T-wrench.

Construction

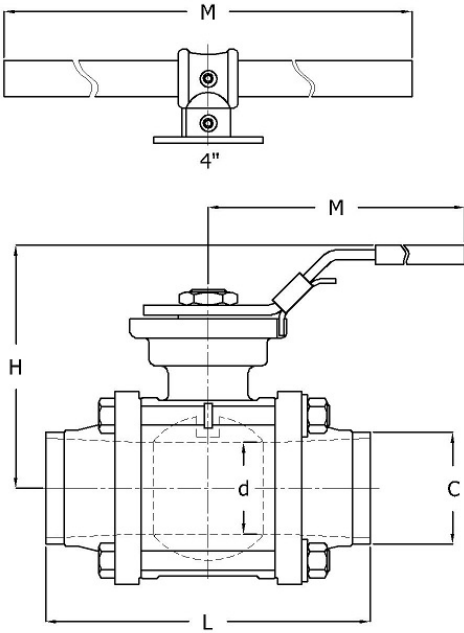
- Three-piece housing construction.
- Design in accordance with MSS SP-110.
- Full bore.
- Equipped with anti-static design between ball, spindle and housing.

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.
- Ball seals in TFM4215
- Stainless steel extended spindle type 8007 for insulation.
- Connection according to ASME B16.11 or ASME B16.25, Schedule 40, type 7644
- Connection in NPT according to ASME B1.20.1, type 7544
- Connection in BSP according to ISO 228-1, type 7444
- With rotating butt-weld ends (quick-weld design) according to ISO 1127-1, type 7641, ASME B16.25, type 7654, EN 10357-A or EN 10357-D, type 7611, and ASME B16.25 for cold applications down to -40°C, type 7645



Size table:

DN	d	L	H	M	C	Weight
	mm	mm	mm	mm	mm	kg
1/2" [15]	15	75	72	147	21.3	0.7
3/4" [20]	20	90	79	147	26.9	0.9
1" [25]	25	100	89	177	33.7	1.4
1.1/4" [32]	32	110	93	177	42.4	2.1
1.1/2" [40]	38	125	103	197	48.3	3
2" [50]	50	150	110	197	60.3	4.3
2.1/2" [65]	63.5	190	150	267	76.1	8.3
3" [80]	76	220	159	267	88.9	11.9
4" [100]	100	270	212	400	114.3	22.7

Pressure and temperature range						
Size	Temperature range	-29	38	100	150	200
						[°C]
1/2" - 2"	-29°C/+200°C	27	27	27	22	1
						[bar]
2.1/2" - 4"	-29°C/+200°C	27	27	27	16	1
						[bar]
Pressure class 400 PSI WOG						

Nominal inner diameter	External tube diameter of connection	Wall thickness, connection	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	Seat material	Article
	mm	mm								
1/2" [15]	21.3	1.6	400 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	TFM 1600	EC0762101/2R-PWD
3/4" [20]	26.9	1.6	400 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	TFM 1600	EC0762103/4-RPWD
1" [25]	33.7	2	400 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	TFM 1600	EC076210001-RPWD
1.1/4" [32]	42.4	2	400 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	TFM 1600	EC0762111/4R-PWD
1.1/2" [40]	48.3	2	400 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	TFM 1600	EC0762111/2R-PWD
2" [50]	60.3	2	400 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	TFM 1600	EC076210002-RPWD
2.1/2" [65]	76.1	2	400 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	TFM 1600	EC0762121/2R-PWD
3" [80]	88.9	2	400 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	TFM 1600	EC076210003-RPWD
4" [100]	114.3	2	400 PSI WOG	Manufacturer standard	Handle	F10		Full bore	TFM 1600	EC076210004-RPWD

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