

ECON® Ball valve Type: 7641 Stainless steel Butt welded loose end EN ISO 1127-1 400 PSI WOG



Characteristics

Type: 7641
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 3-part
Housing material: Stainless steel
Material quality: 1.4408
Connection: Butt welded loose end
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
Material connection piece: ASTM A351 CF3M
Actuator material: 1.4301

Application

- Industrial applications up to 27 bar.
- Recommended in: Food & Beverages, Food primary processes (contact with food), Pharma

Technical Information

- Connection according to ISO1127-1, suitable for orbital welding.
- Floating ball.
- Pressure class 400 PSI WOG.
- In sizes 0.25–2 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.

Construction

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

Execution

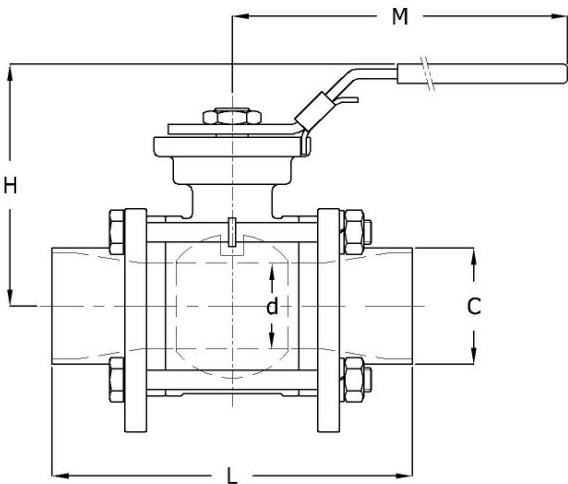
- Quick-weld model: fast, efficient mounting and positioning after welding via freely rotating butt-weld ends

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.
- Also available with cavity fillers
- Stainless steel extended spindle type 8007 for insulation.
- With rotating butt-weld ends (quick-weld design) according to ASME B16.25, type 7654, EN 10357-A or EN 10357-D, type 7611, 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
1/4" [8]	10.7	110	72	145	13.5	0.8
1/2" [15]	10.7	110	72	145	21.3	0.9
1.1/4" [32]	31.3	140	95	175	42.4	2.6
1.1/2" [40]	35.6	150	106	190	48.3	3.6

Pressure and temperature range							
Size	Temperature range	-29	38	100	150	200	[°C]
1/4" - 2"	-29°C/+200°C	27	25	23	15	1	[bar]
Pressure class 400 PSI WOG							

Nominal inner diameter	External tube diameter of connection mm	Wall thickness, connection mm	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	Seat material	Article
1/4" [8]	13.5	1.6	400 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	TFM 1600	12725840
1/2" [15]	21.3	1.6	400 PSI WOG	Manufacturer standard	Handle	F03	F04	Reduced bore	TFM 1600	12725839
1.1/4" [32]	42.4	2	400 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	TFM 1600	12725833
1.1/2" [40]	48.3	2	400 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	TFM 1600	12725832

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