ECON® Ball valve Type: 7624 Steel Socket weld B16.11 1000 PSI WOG

Characteristics

Type: 7624
Norm: ASME
Construction type: 2-way
Housing construction: 3-part
Housing material: Steel
Material quality: 1.0619
Surface protection: Chemical blackened
Connection: Socket weld
Standard welding connection: B16.11
Top flange standard: ISO 5211 Direct Mount
Seat material: PTFE
Spindle material: 1.4401
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: PTFE
Body seal: PTFE
Minimum medium temperature (continuous): -10 °C
Maximum medium temperature (continuous): 205 °C

Application

- Compressed air, central heating systems, water, fuel and slightly corrosive systems up to a maximum of 68 bar.

Technical Information

- Connection according to ASME B16.11 (projection welding)
- Floating ball.
- Pressure class 1000 PSI WOG
- In sizes 0.25-4 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.

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.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves.
- Stainless steel housing material, type 7644
- Ball seals in TFM4215
- Stainless steel extended spindle type 8007 for insulation.
- Connection according to ASME B16.25, Schedule 40
- Connection in NPT according to ASME B1.20.1, type 7524
- Connection in BSP according to ISO 228-1, type 7424

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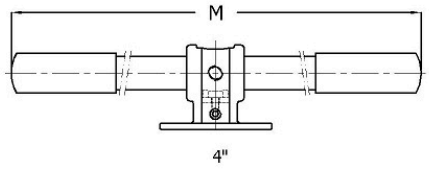
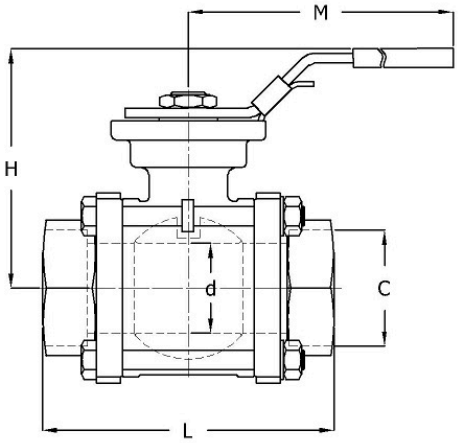
ERIKS BV | Tel: +31 88 855 80 03 | E-mail: vk@eriks.nl





Size table:

DN	d	L	H	M	C	Weight
	mm	mm	mm	mm	mm	kg
1/4" [8]	10.6	75	72	145	14.2	0.7
3/8" [10]	12.7	75	72	145	17.8	0.7
1/2" [15]	15	75	72	145	21.8	0.7
3/4" [20]	20	80	80	145	27.3	0.9
1" [25]	25	90	90	175	34	1.4
1.1/4" [32]	32	110	95	175	42.8	2.1
1.1/2" [40]	38	120	106	194	48.9	3
2" [50]	50	140	113	194	61.4	4.3
2.1/2" [65]	63.5	185.5	149	265	74	8.3
3" [80]	76	205	159	265	90	11.9
4" [100]	100	240	205	400	115.4	22.7

Pressure and temperature range							
Size	Temperature range	-10	38	100	150	200	[°C]
1/4" - 2"	-10°C/+200°C	68	68	44	22	1	[bar]
2.1/2" - 4"	-10°C/+200°C	50	50	32	16	1	[bar]
Pressure class 1000 PSI WOG							

Nominal inner diameter	External tube diameter of connection mm	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Material ball	Article
1/4" [8]	14.2	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	13492750
3/8" [10]	17.8	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	13492751
1/2" [15]	21.8	1000 PSI WOG	Manufacturer standard	Handle	F03	F04	Full bore	Yes	1.4301	13492752
3/4" [20]	27.3	1000 PSI WOG	Manufacturer standard	Handle	F03	F05	Full bore	Yes	1.4301	13492753
1" [25]	34	1000 PSI WOG	Manufacturer standard	Handle	F04	F05	Full bore	Yes	1.4301	13492754
1.1/4" [32]	42.8	1000 PSI WOG	Manufacturer standard	Handle	F04	F07	Full bore	Yes	1.4301	13492755
1.1/2" [40]	48.9	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	13492756
2" [50]	61.4	1000 PSI WOG	Manufacturer standard	Handle	F05	F07	Full bore	Yes	1.4301	13492757
2.1/2" [65]	74	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	1.4301	13492758
3" [80]	90	1000 PSI WOG	Manufacturer standard	Handle	F07	F10	Full bore	Yes	1.4301	13492759
4" [100]	115.4	1000 PSI WOG	Manufacturer standard	T-wrench	F10		Full bore	No	1.4301	13492760

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