



Characteristics



Type: 7622 Norm: ASME Construction type: 2-way Housing construction: 3-part Housing material: Steel Material quality: ASTM A216 WCB Surface protection: Chemical blackened Connection: Butt weld Standard welding connection: B16.25 S40 Top flange standard: ISO 5211 Direct Mount With locking device: Yes Material ball: ASTM A351 CF8M Seat material: TF 4103 Spindle material: ASTM A276 316 Grade S Primary spindle seal material: RPTFE Secondary spindle seal material: FPM (FKM) Tertiary spindle seal material: RPTFE

Body seal: RPTFE

Material connection piece: ASTM A216 WCB Actuator material: 1,4301

Minimum medium temperature (continuous): -29 °C

Application

- Industrial and maritime applications.
- Liquid and gaseous media.
- Recommended in: Chemical

Technical Information

- Connection according to ASME B16.25 S40.
- Floating ball.

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Т

- Pressure class: Class 600 up to and including 2.1/2". Class 300 for 3" and 4".
- With direct-mount top flange according to ISO 5211.
- Closed neck design with leak detection opening.
- The chevron seal set used as a spindle seal and the axial seal ensure a longer service life and lower toraue.
- Equipped with a robust, lockable lever.
- Average temperature for a tap with standard TF 4103 seats: -29°C/+220°C. Up to a maximum of 280° C for taps with PEEK seats.

Disclaimer: The content of this document has been composed with the utmost care. However, it is possible that certain information changes over time, becomes inaccurate or incomplete. ERIKS does not guarantee that the information provided on this document is up to date, accurate and complete; the information provided is not intended to be advice.

Construction

- Three-part housing construction.
- Design certified according to ISO 7121, MSS SP-110 and MSS SP-72.
- Wall thickness according to EN 12516-1 and ASME B16.34.
- Full or reduced bore.
- Design with antistatic equipment between ball and housing.

Approval

- Fugitive emission certified according to the German Technical Instructions on Air Quality Control (TA-Luft), VDI 2440, point 3.3.1.3.
- Fugitive emission certified according to ISO 15848-1, CO1 and CO2.
- Safety integrity level (SIL) 2.

Options

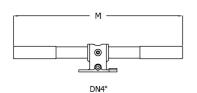
- Design with worm gearbox, pneumatic, electric or hydraulic drives.
- Maximum medium temperature (continuous): 220 °C Position feedback for manual and automatic valves.
 - Available with different seat materials such as TF 4215, TFM 1600 and PEEK.
 - Fire-safe design available.
 - Stainless steel extended spindle for insulation.
 - With connection for earthing.
 - With 30°, 60° or 90° V-shaped ball bore for modulating applications.
 - Connections with NPT thread according to ASME B1.20.1, BSPP thread according to ISO 228-1, socket weld according to ASME B16.11 or EN 12760, and butt weld according to EN 12627.

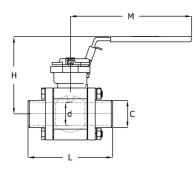
Page 1/3





Ball Valves | Ball valves with welding connection





DN	Full bore	d	L	Н	М	С	Weight
		mm	mm	mm	mm	mm	kg
1" (25)	Yes	25	109	97	165	33.4	2
1.1/4" [32]	No	25	109	97	165	42.2	2
1.1/2" (40)	No	31.8	118	103	165	48.3	3
2" (50)	No	38	129	130	202	60.3	4.5
2.1/2" (65)	Yes	65	185	178	257	75	12.5

DN Tull Bore TF4103 & 1' 102.1 100.2 68 34 0 - - TF4215 1/4" - 1" 102.1 100.2 93.2 63 32 0 - TF4215 1/4" - 1" 102.1 100.2 93.2 63 32 0 - PEEK 1/4" - 1" 102.1 100.2 93.2 77 48 18 0 TF4103 & TF4103 & TF4103 & 1.1/2" 80 80 55 28 0 - - TF4215 1.1/4" - 1.1/2" 80 80 80 55 28 0 - TF4215 1.1/4" - 1.1/2" 80 80 80 80 77 48 18 0 TF4103 & TF4103	2.1 100.2 68 34 0 - - [bar] 2.1 100.2 93.2 63 32 0 - [bar] 2.1 100.2 93.2 77 48 18 0 [bar] 2.1 100.2 93.2 77 48 18 0 [bar] 2.1 100.2 93.2 77 48 18 0 [bar] 2.0 80 80 55 28 0 - [bar] 30 80 80 77 48 18 0 [bar] 30 80 80 77 48 18 0 [bar] 30 80 80 77 48 18 0 [bar] 36 76 76 51 25 0 - [bar] 39 69 48 24 0 - [bar] [bar] 39 69 69 47 24 0 - [bar] 39	Pressure and temperature range										
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Size table:

FRIKS

Ball Valves | Ball valves with welding connection

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	Maximum operating pressure	Article
	mm	mm							bar	
1" (25)	33.4	3.4	Class 600	Manufacturer standard	Handle	F04	F05	Full bore	102	13279011
1.1/4" (32)	42.2	3.55	Class 600	Manufacturer standard	Handle	F04	F05	Reduced bore	102	13279001
1.1/2" (40)	48.3	3.7	Class 600	Manufacturer standard	Handle	F04	F05	Reduced bore	80	13279002
2" (50)	60.3	3.9	Class 600	Manufacturer standard	Handle	F07		Reduced bore	80	13279003
2.1/2" (65)	75	6.25	Class 600	Manufacturer standard	Handle	F07	F10	Full bore	69	13279015

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