ECON® Ball valve Type: 7245 Steel Fire safe Flange Class 150







Characteristics

Type: 7245 Norm: ASME

Construction type: 2-way Housing construction: 2-part Housing material: Steel

Material quality: ASTM A216 WCB Surface protection: Acrylic polyurethane

Connection: Flange **Flange finish:** Raised face

Top flange standard: ISO 5211 Direct Mount

Seat material: TFM 1600

Spindle material: ASTM A276 316 Primary spindle seal material: PTFE

Secondary spindle seal material: FPM (FKM)
Tertiary spindle seal material: Graphite
Body seal: SWG 316L/PTFE/Graphite

Minimum medium temperature (continuous): -10 °C Maximum medium temperature (continuous): 200 °C Maximum operating pressure [Bar]: 20 bar

Fire safe: Yes

Application

- Industrial applications up to 20 bar.
- Liquid and gaseous media.

Technical Information

- Flanged connection in accordance with ASME B16.5 RF.
- Floating ball.
- ASME pressure rating: class 150.
- With direct-mount top flange in accordance with ISO 5211.
- Media temperature: -10/+200°C.
- Acrylic polyurethane coating in RAL5015.
- ½" to 3" with lever and locking device.
- 4" to 6" with T-bar.

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• 8" without control as standard.

Construction

- Two-piece housing construction.
- Design according to ASME B16.34.
- Full bore
- Equipped with anti-static design between ball and housing.
- Face-to-face dimension according to ASME B16.10: long pattern.

Approval

- Fugitive emission certified in accordance with TA-Luft VDI 2440 / VDI 3479.
- Fugitive emission certified in accordance with ISO 15848-1 BH-CO1 and CH-CO3.
- Fire-safe approval in accordance with ISO 10497 and API 607, sixth edition.
- Safety integrity level IEC 61508 SIL 2.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- \bullet Available with seats in TF4215.
- Stainless steel extended spindle type 8007 for insulation.

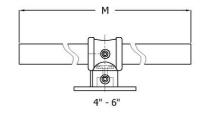
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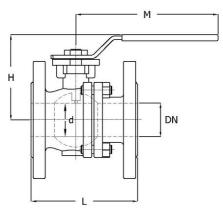
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Size table:

DN	d	L	. н г		Weight	
	mm	mm	mm	mm	kg	
1/2" (15)	15	108	79	145	1.7	
3/4" (20)	20	117	84	145	2.2	
1" (25)	25	127	90.5	175	2.9	
1.1/2" (40)	38	165	111	194	5.9	
2" (50)	50	178	116	194	8.4	
3" (80)	76	203	160	265	17.8	
4" (100)	100	229	182	400	30.5	
6" (150)	150	394	280	800	72	
8" (200)	200	457	279.5		131.4	

Pressure and temperature range								
DN	-10	38	93	149	200	[°C]		
1/2" - 4"	20	20	18	16	14	[bar]		
6" - 8"	20	20	18	16	12	[bar]		

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	With locking device	Material ball	Actuator material	Article
1/2" (15)	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	F04	Full bore	Yes	ASTM A351 CF8M	1.4301	13291105
3/4" [20]	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	F05	Full bore	Yes	ASTM A351 CF8M	1.4301	13291167
1" (25)	Class 150	ASME B16.10, T1, Serie 18	Handle	F04	F05	Full bore	Yes	ASTM A351 CF8M	1.4301	13291107
1.1/2" [40]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	F07	Full bore	Yes	ASTM A351 CF8M	1.4301	13291108
2" (50)	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	F07	Full bore	Yes	ASTM A351 CF8M	1.4301	13291109
3" (80)	Class 150	ASME B16.10, T1, Serie 18	Handle	F07	F10	Full bore	Yes	ASTM A351 CF8M	1.4301	13291038
4" (100)	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F10		Full bore	No	ASTM A351 CF8M	Steel, galvanized	13291110
6" (150)	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12		Full bore	No	ASTM A351 CF8M	Steel, galvanized	13291111
8" (200)	Class 150	ASME B16.10, T1, Serie 18	Bare stem	F14		Full bore	No	ASTM A351 CF8M		14463304
8" (200)	Class 150	ASME B16.10, T1, Serie 18	Bare stem	F12	F14	Full bore	No	ASTM A351 CF8M		13291168

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