ECON® Ball valve Type: 72851 Stainless steel Fire safe Flange Class 150

Characteristics

Type: 72851
Norm: ASME
Construction type: 2-way
Housing construction: 2-part
Housing material: Stainless steel
Material quality: ASTM A351 CF8M
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: Kalrez 6375
Tertiary spindle seal material: Graphite
Body seal: SWG 316L/PTFE/Graphite
Minimum medium temperature (continuous): -29 °C
Maximum medium temperature (continuous): 200 °C
Maximum operating pressure [Bar]: 20 bar
Fire safe: Yes

Application

- Industrial and chemical applications up to 20 bar.
- Liquid and gaseous media.
- Recommended in: Chemical

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.
- All components intended to come into contact with food comply with EC 1935.
- Media temperature: -29/+200°C.
- ½" to 3" with lever and locking device.
- 4" to 6" with T-bar.
- 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.
- Declaration of conformity according to EC 1935/2004.

Options

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

PR1515506808641581 2_EN_03.07.2024

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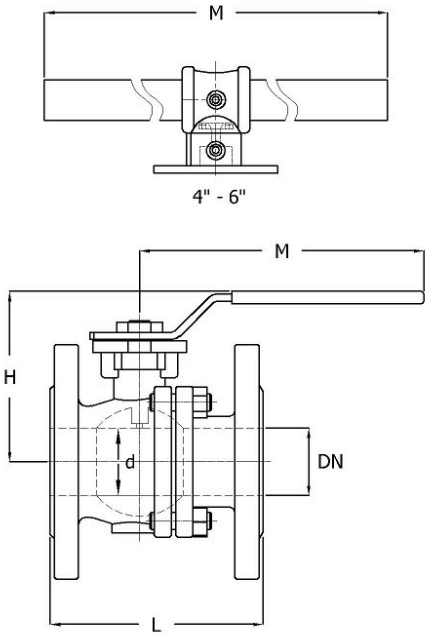

Size table:

DN	d	L	H	M	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	-29	38	93	149	200	[°C]
1/2" - 4"	19	19	16	15	13	[bar]
6" - 8"	19	19	16	15	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	13291126
3/4" [20]	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	F05	Full bore	Yes	ASTM A351 CF8M	1.4301	13291127
1" [25]	Class 150	ASME B16.10, T1, Serie 18	Handle	F04	F05	Full bore	Yes	ASTM A351 CF8M	1.4301	13291128
1.1/2" [40]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	F07	Full bore	Yes	ASTM A351 CF8M	1.4301	13291129
2" [50]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	F07	Full bore	Yes	ASTM A351 CF8M	1.4301	13291130
3" [80]	Class 150	ASME B16.10, T1, Serie 18	Handle	F07	F10	Full bore	Yes	ASTM A351 CF8M	1.4301	13291131
4" [100]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F10		Full bore	No	ASTM A351 CF8M	Steel, galvanized	13291132
6" [150]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12		Full bore	No	ASTM A351 CF8M	Steel, galvanized	13291133
8" [200]	Class 150	ASME B16.10, T1, Serie 18	Bare stem	F14		Full bore	No	ASTM A351 CF8M		14463313

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