

# 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.
- $\frac{1}{2}$ " 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**

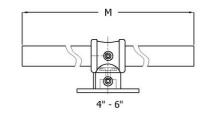
- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manually actuated or automated valves.
- Available with seats in TF4215.
- Stainless steel extended spindle type 8007 for insulation.

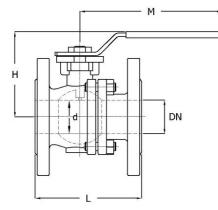
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## Ball Valves | Ball valves with flange connection





Size table:

DN	d	L	Н	М	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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