

ECON® Ball valve Type: 7343FS Steel Fire safe Flange Class 150



Characteristics

Type: 7343FS

Norm: ASME

Construction type: 2-way

Housing construction: 1-part

Housing material: Steel

Material quality: ASTM A216 WCB

Surface protection: Acrylic polyurethane

Connection: Flange

Flange finish: Raised face

Top flange standard: ISO 5211

Primary spindle seal material: PTFE

Secondary spindle seal material: FPM (FKM)

Tertiary spindle seal material: Graphite

Body seal: SWG 316L/Graphite

Actuator material: ASTM A351 CF8

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.
- Floating ball.
- Pressure rating Class 150.
- With top flange in accordance with ISO 5211.
- Media temperature: -10/+200°C.
- Acrylic polyurethane coating in RAL5015.
- 1/2" to 3" with lever and locking device.
- 4" with T-bar.

Construction

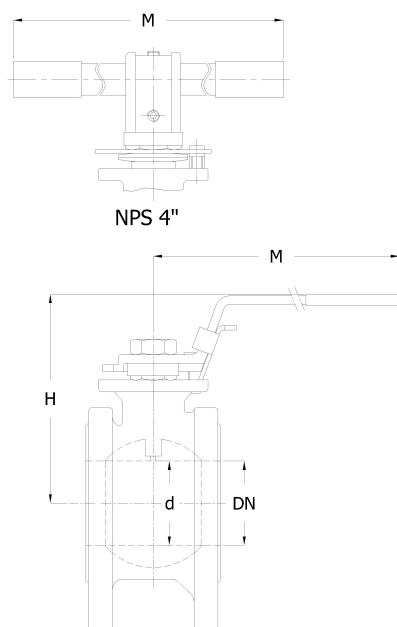
- One-piece housing construction.
- Design according to ASME B16.34.
- Full bore.
- Equipped with anti-static design between ball and housing.
- Face-to-face dimension according to manufacturer's standard.

Approval

- Fire-safe approval in accordance with ISO 10497 and API 607, seventh edition.
- 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 manually actuated or automated valves.
- Available with seats in TFM4215.



Size table:

DN	d mm	L mm	H mm	M mm	Weight kg
1/2" [15]	15	42	91	137	1.4
3/4" [20]	20	44	94	137	1.8
1" [25]	25	50	99	172	2.4
1.1/2" [40]	38	65	117	202	4.9
2" [50]	50	80	126	202	8.6
3" [80]	76	120	162	252	14.5
4" [100]	100	150	212	400	22.7

Pressure and temperature range							
DN	Pressure class	-10	50	100	150	200	[°C]
1/2" up to 2"	Class 150	20	20	19	17	14	[bar]
3" and 4"	Class 150	20	20	19	17	11	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	With locking device	Material ball	Seat material	Spindle material	Article
1/2" [15]	Class 150	Manufacturer standard	Handle	F04	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449823
3/4" [20]	Class 150	Manufacturer standard	Handle	F04	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449824
1" [25]	Class 150	Manufacturer standard	Handle	F05	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449825
1.1/2" [40]	Class 150	Manufacturer standard	Handle	F07	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449826
2" [50]	Class 150	Manufacturer standard	Handle	F07	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449827
3" [80]	Class 150	Manufacturer standard	Handle	F10	Full bore	Yes	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449828
4" [100]	Class 150	Manufacturer standard	T-wrench	F10	Full bore	No	ASTM A351 CF8M	TFM 1600	ASTM A276 316	14449829

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