

BAC Ball valve Series: FB Type: 7345 Steel Fire safe Flange Class 150



Characteristics

Series: FB
Type: 7345
Norm: ASME
Construction type: 2-way
Housing construction: 2-part
Housing material: Steel
Material quality: ASTM A216 WCC
Surface protection: Epoxy coating [external]
Connection: Flange
Flange finish: Raised face - 125/250AARH
Top flange standard: ISO 5211
Spindle material: ASTM A479 316
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)/PTFE
Tertiary spindle seal material: Graphite
Fire safe: Yes

Application

- Heavy-duty industrial applications up to 20 bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with ASME B16.5 RF.
- Floating ball.
- ASME pressure rating: class 150.
- With top-flange in accordance with ISO 5211.
- Media temperature: $-30/+230^{\circ}\text{C}$.
- 1/2-inch to 1.1/2-inch versions with handle.
- 2" to 8" versions with T-bar.

Construction

- Two-piece housing construction.
- Design in accordance with EN 17292.
- Full flow capacity.
- Equipped with antistatic design between ball and housing.
- In accordance with NACE MR0103.
- Construction length in accordance with ASME B16.10.

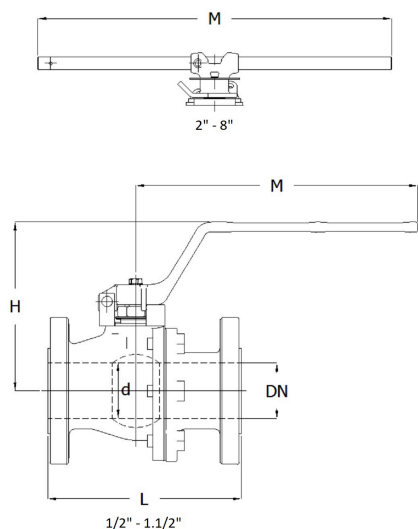
Approval

- Fire-safe certified in accordance with ISO 10497 and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1, class BH.
- Safety integrity level IEC 61508 SIL3.

Options

- Equipped with worm gearbox and pneumatic, electric or hydraulic actuators.
- Position feedback for manual or automated valves
- Stainless-steel extended spindle for insulation [type 7399].
- Other seat materials.

Size table:



DN	d	L	H	M	Weight
	mm	mm	mm	mm	kg
1/2" [15]	14	108	117	180	1.8
3/4" [20]	19	117	124	180	3.1
1" [25]	24	127	128	180	4.3
1.1/2" [40]	38	165	142	240	8.3
2" [50]	50	178	160	350	12.8
3" [80]	76	203	199	600	25.4
4" [100]	100	229	217	600	37
6" [150]	151	394	277	750	89.4
8" [200]	202	457	330	750	162

Size	Pressure rating	Pressure and temperature range						[°C]
		-30	38	93	149	204	230	
1/2" - 2"	Class 150	20	20	18	16	12	0	[bar]
3" - 6"	Class 150	20	20	18	16	8	0	[bar]
8"	Class 150	20	20	18	16	5	0	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Seat material	Body seal	Actuator material	Article
1/2" [15]	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814328
3/4" [20]	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814329
1" [25]	Class 150	ASME B16.10, T1, Serie 18	Handle	F04	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814327
1.1/2" [40]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814330
2" [50]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F05	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814331
3" [80]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F07	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814323
4" [100]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814324
6" [150]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814325
8" [200]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814326

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. ERIKS shall never be liable for damage resulting from the use of the information provided.