



BAC Ball valve Series: FB Type: 7385 Stainless steel Fire safe Flange Class 150

Characteristics

Series: FB
Type: 7385
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 - 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°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

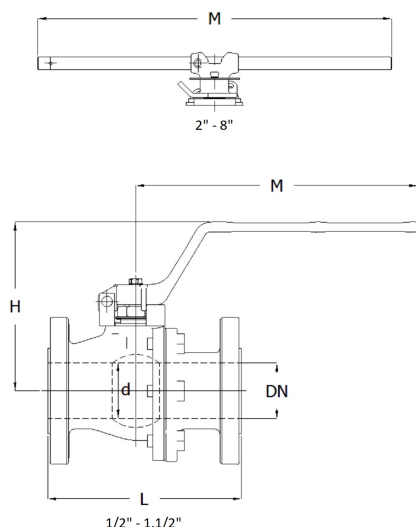
- Fire-safe certified in accordance with ISO 10497 and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1, class BH.
- Safety integrity level IEC 61508 SIL3.

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



Pressure and temperature range								
Size	Pressure rating	-30	38	93	149	204	230	[°C]
1/2" - 2"	Class 150	19	19	16	15	12	0	[bar]
3" - 6"	Class 150	19	19	16	15	8	0	[bar]
8"	Class 150	19	19	16	15	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	11814386
3/4" [20]	Class 150	ASME B16.10, T1, Serie 18	Handle	F03	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814387
1" [25]	Class 150	ASME B16.10, T1, Serie 18	Handle	F04	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814388
1.1/2" [40]	Class 150	ASME B16.10, T1, Serie 18	Handle	F05	Full bore	ASTM A351 CF8M	TFM 1600	Graphite	1.4301	11814389
2" [50]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F05	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814390
3" [80]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F07	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814382
4" [100]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814383
6" [150]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	11814384
8" [200]	Class 150	ASME B16.10, T1, Serie 18	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	PTFE/Graphite	Steel, galvanized	12725822

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