



BAC Ball valve Series: PQRI Type: 7331 Steel Fire safe Flange Class 300

Characteristics

Series: PQRI
Type: 7331
Norm: ASME
Construction type: 2-way
Housing construction: 1-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
Primary spindle seal material: PTFE
Secondary spindle seal material: FPM (FKM)/PTFE
Tertiary spindle seal material: Graphite
Body seal: PTFE/Graphite
Fire safe: Yes

Application

- Heavy-duty industrial applications up to 50bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with ASME B16.5 RF.
- Floating ball.
- ASME pressure rating: class 300.
- With top-flange in accordance with ISO 5211.
- Media temperature: $-30/+230^{\circ}\text{C}$.
- 1/2-inch to 2-inch versions with handle.
- 3" to 10" versions with T-handle.

Construction

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

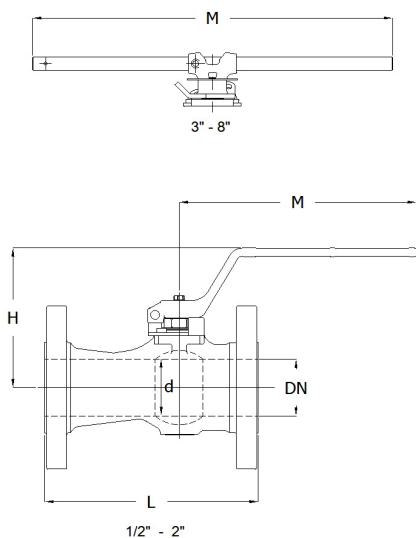
Approval

- 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 mm	L mm	H mm	M mm	Weight kg
1/2" [15]	11	140	102	180	2
3/4" [20]	14	152	108	180	3.3
1" [25]	19	165	115	180	4.3
1.1/2" [40]	30	190	135	240	9
2" [50]	38	216	142	240	11
3" [80]	62	282	170	600	25.7
4" [100]	76	305	200	350	43.3
6" [150]	100	403	218	600	76.8
8" [200]	144	419	270	750	132.8

Size	Pressure rating	Pressure and temperature range						[°C]
		-30	38	93	149	204	230	
1/2" - 2"	Class 300	51	51	47	34	12	0	[bar]
3" - 8"	Class 300	51	51	35	26	8	0	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Seat material	Spindle material	Actuator material	Article
1/2" [15]	Class 300	ASME B16.10, T2, Serie 8	Handle	F03	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	1.4301	12725817
3/4" [20]	Class 300	ASME B16.10, T2, Serie 8	Handle	F03	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	1.4301	12725818
1" [25]	Class 300	ASME B16.10, T2, Serie 8	Handle	F03	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	1.4301	11814304
1.1/2" [40]	Class 300	ASME B16.10, T2, Serie 8	Handle	F05	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	1.4301	11814309
2" [50]	Class 300	ASME B16.10, T2, Serie 8	Handle	F05	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	1.4301	11814305
3" [80]	Class 300	ASME B16.10, T2, Serie 8	T-wrench	F07	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Steel, galvanized	11814306
4" [100]	Class 300	ASME B16.10, T2, Serie 8	T-wrench	F10	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Steel, galvanized	11814307
6" [150]	Class 300	ASME B16.10, T2, Serie 8	T-wrench	F10	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Steel, galvanized	11814308
8" [200]	Class 300	ASME B16.10, T2, Serie 8	T-wrench	F12	Reduced bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Steel, galvanized	12160204

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