

BAC Ball valve Series: FBL Type: 7239 Steel Fire safe Flange PN16/40



Characteristics

Series: FBL
Type: 7239
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 2-part
Housing material: Steel
Material quality: 1.0619
Surface protection: Epoxy coating (external)
Connection: Flange
Flange finish: Raised face - 125/250AARH
Top flange standard: ISO 5211
Seat material: TFM 1600
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 16 or 40 bar.
- Recommended in: Chemical

Technical Information

- Flanged connection in accordance with EN 1092-1.
- Floating ball.
- Pressure rating PN16 or PN40.
- With top-flange in accordance with ISO 5211.
- Media temperature: -30/+230°C.
- DN15 to DN40 with handle.
- DN50 to DN100 with T-handle.

Construction

- Two-piece housing construction.
- Design in accordance with EN 17292 and EN 1983.
- Full flow capacity.
- Equipped with antistatic design between ball and housing.
- In accordance with NACE MR0103.
- Construction length in accordance with EN 558, series 1.

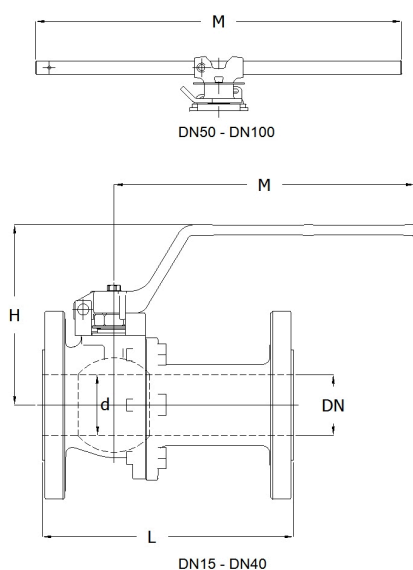
Approval

- 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	Pressure class	d	L	H	M	Weight
		mm	mm	mm	mm	kg
DN15	PN40	14	130	117	180	2.9
DN20	PN40	19	150	124	180	3.8
DN25	PN40	24	160	128	180	5.3
DN32	PN40	30	180	138	240	7.3
DN40	PN40	38	200	142	240	9.9
DN50	PN40	50	230	160	350	14
DN80	PN16	76	310	199	600	25
DN80	PN40	76	310	199	600	27.6
DN100	PN16	100	350	217	600	40
DN100	PN40	100	350	217	600	43.3

Size	Pressure rating	Pressure and temperature range						[°C]
		-30	50	100	150	200	230	
DN15 - DN50	PN16	16	15	14	13	11	0	[bar]
DN65 - DN100	PN16	16	15	14	13	9	0	[bar]
DN15 - DN50	PN40	39	37	34	30	13	0	[bar]
DN65 - DN100	PN40	39	37	33	26	9	0	[bar]

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Spindle material	Body seal	Actuator material	Article
DN15	PN40	EN 558, Series 1	Handle	F03	Full bore	ASTM A351 CF8M	ASTM A479 316	Graphite	1.4301	11814169
DN20	PN40	EN 558, Series 1	Handle	F03	Full bore	ASTM A351 CF8M	ASTM A479 316	Graphite	1.4301	11814170
DN25	PN40	EN 558, Series 1	Handle	F04	Full bore	ASTM A351 CF8M	ASTM A479 316	Graphite	1.4301	11814171
DN32	PN40	EN 558, Series 1	Handle	F05	Full bore	ASTM A351 CF8M	ASTM A479 316	Graphite	1.4301	11814172
DN40	PN40	EN 558, Series 1	Handle	F05	Full bore	ASTM A351 CF8M	ASTM A479 316	Graphite	1.4301	11814162
DN50	PN40	EN 558, Series 1	T-wrench	F07	Full bore	ASTM A351 CF8M	ASTM A479 316	PTFE/Graphite	Steel, galvanized	11814163
DN80	PN16	EN 558, Series 1	T-wrench	F10	Full bore	ASTM A351 CF8	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814166
DN80	PN40	EN 558, Series 1	T-wrench	F10	Full bore	ASTM A351 CF8	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814165
DN100	PN16	EN 558, Series 1	T-wrench	F10	Full bore	ASTM A351 CF8	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814168
DN100	PN40	EN 558, Series 1	T-wrench	F10	Full bore	ASTM A351 CF8	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814167

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