

BAC Ball valve Series: FB Type: 7349 Steel Fire safe Flange PN16/40



Characteristics

Series: FB
Type: 7349
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 40bar.
- 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 DN200 with T-handle.

Construction

- Two-piece housing construction.
- Design in accordance with EN 17292 and EN 1983.
- Full flow capacity.
- Equipped with antistatic device between ball and housing in accordance with NACE MR0103.
- Construction length in accordance with EN 558, series 27.

Approval

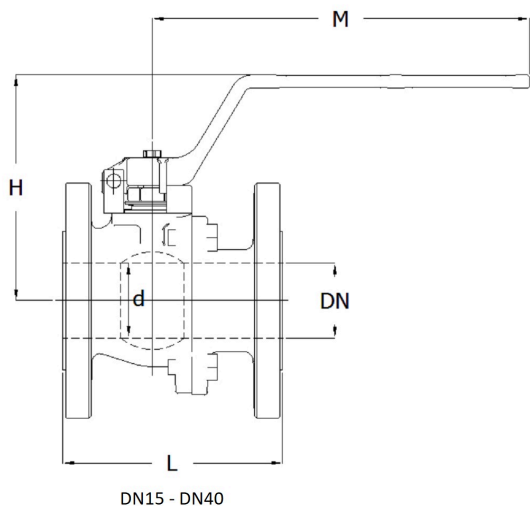
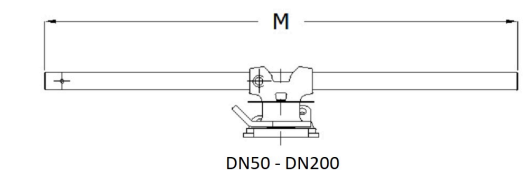
- Fire-safe certified in accordance with ISO 10497 and API 607.
- Fugitive emissions certified according to TA Luft.
- Fugitive emissions certified in accordance with ISO 15848-1, class BH.
- Safety integrity level IEC 61508 SIL3.

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	115	117	180	2.8
DN20	PN40	19	120	124	180	3.6
DN25	PN40	24	125	128	180	5
DN32	PN40	30	130	138	240	7.1
DN40	PN40	38	140	142	240	8.7
DN50	PN40	50	150	160	350	12.9
DN65	PN16	62	170	169	350	16
DN65	PN40	62	170	169	350	16.7
DN80	PN16	76	180	199	600	22
DN80	PN40	76	180	199	600	24
DN100	PN16	100	190	217	600	31
DN100	PN40	100	190	217	600	34
DN125	PN16	120	325	256	750	58
DN125	PN40	120	325	256	750	63
DN150	PN16	151	350	277	750	74
DN150	PN40	151	350	277	750	95
DN200	PN16	202	400	330	750	150



Pressure and temperature range								
Size	Pressure rating	-30	50	100	150	200	230	[°C]
DN15 - DN50	PN16	16	15	14	13	11	0	[bar]
DN65 - DN150	PN16	16	15	14	13	9	0	[bar]
DN200	PN16	16	15	14	13	6	0	[bar]
DN15 - DN50	PN40	39	37	34	30	13	0	[bar]
DN65 - DN150	PN40	39	37	33	26	9	0	[bar]
DN200	PN40	34	32	22	16	6	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 27	Handle	F03	Full bore	1.4408	ASTM A479 316	Graphite	1.4301	11814343
DN20	PN40	EN 558, Series 27	Handle	F03	Full bore	1.4408	ASTM A479 316	Graphite	1.4301	11814344
DN25	PN40	EN 558, Series 27	Handle	F04	Full bore	1.4408	ASTM A479 316	Graphite	1.4301	11814345
DN32	PN40	EN 558, Series 27	Handle	F05	Full bore	1.4408	ASTM A479 316	Graphite	1.4301	11814346
DN40	PN40	EN 558, Series 27	Handle	F05	Full bore	1.4408	ASTM A479 316	Graphite	1.4301	11814347
DN50	PN40	EN 558, Series 27	T-wrench	F07	Full bore	1.4408	ASTM A479 316	PTFE/Graphite	Steel, galvanized	11814332
DN65	PN16	EN 558, Series 27	T-wrench	F07	Full bore	1.4408	ASTM A479 316	PTFE/Graphite	Steel, galvanized	11814333

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Ball Valves | Ball valves with flange connection

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Spindle material	Body seal	Actuator material	Article
DN65	PN40	EN 558, Series 27	T-wrench	F07	Full bore	1.4408	ASTM A479 316	PTFE/Graphite	Steel, galvanized	11814334
DN80	PN16	EN 558, Series 27	T-wrench	F10	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814335
DN80	PN40	EN 558, Series 27	T-wrench	F10	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814348
DN100	PN16	EN 558, Series 27	T-wrench	F10	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814336
DN100	PN40	EN 558, Series 27	T-wrench	F10	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814337
DN125	PN16	EN 558, Series 27	T-wrench	F12	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814338
DN125	PN40	EN 558, Series 27	T-wrench	F12	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814339
DN150	PN16	EN 558, Series 27	T-wrench	F12	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814340
DN150	PN40	EN 558, Series 27	T-wrench	F12	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814341
DN200	PN16	EN 558, Series 27	T-wrench	F14	Full bore	1.4308	ASTM A479 304	PTFE/Graphite	Steel, galvanized	11814342

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