



BAC Ball valve Series: FB Type: 7389 Stainless steel Fire safe Flange PN16/40

Characteristics

Series: FB
Type: 7389
Norm: EN (DIN)
Construction type: 2-way
Housing construction: 2-part
Housing material: Stainless steel
Material quality: 1.4408
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
Actuator material: 1.4301
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 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.

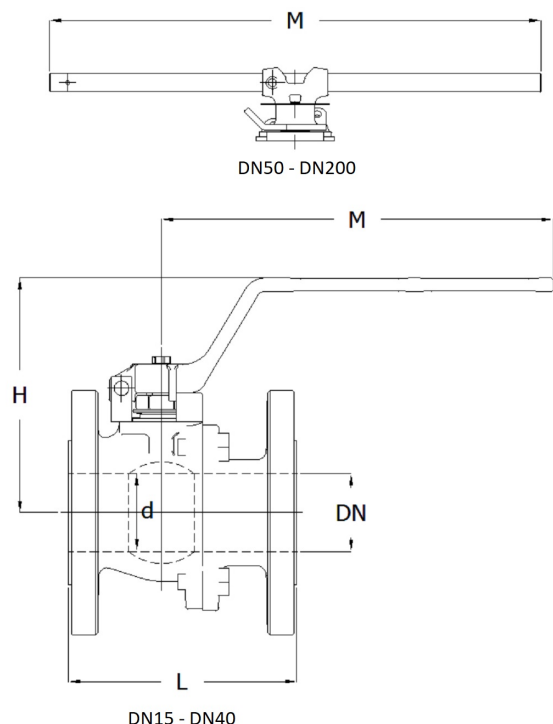
Approval

- 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
DN200	PN40	202	400	330	750	174

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	Seat material	Spindle material	Body seal	Article
DN15	PN40	EN 558, Series 27	Handle	F03	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Graphite	11814402
DN20	PN40	EN 558, Series 27	Handle	F03	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Graphite	11814403
DN25	PN40	EN 558, Series 27	Handle	F04	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Graphite	11814404
DN32	PN40	EN 558, Series 27	Handle	F05	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Graphite	11814405
DN40	PN40	EN 558, Series 27	Handle	F05	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	Graphite	11814406
DN50	PN40	EN 558, Series 27	T-wrench	F07	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	12337625

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.

Nominal inner diameter	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Bore	Material ball	Seat material	Spindle material	Body seal	Article
DN65	PN16	EN 558, Series 27	T-wrench	F07	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814392
DN65	PN40	EN 558, Series 27	T-wrench	F07	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814393
DN80	PN16	EN 558, Series 27	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814394
DN80	PN40	EN 558, Series 27	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814395
DN100	PN16	EN 558, Series 27	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814396
DN100	PN40	EN 558, Series 27	T-wrench	F10	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	12035995
DN125	PN16	EN 558, Series 27	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814397
DN125	PN40	EN 558, Series 27	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	12725823
DN150	PN16	EN 558, Series 27	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814398
DN150	PN40	EN 558, Series 27	T-wrench	F12	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814399
DN200	PN16	EN 558, Series 27	T-wrench	F14	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	11814401
DN200	PN40	EN 558, Series 27	T-wrench	F14	Full bore	ASTM A351 CF8M	TFM 1600	ASTM A479 316	PTFE/Graphite	12725824

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.