BFDE

Ductile Iron Electric Butterfly Valve

FEATURES

Size	50 mm to 600 mm
Body	FBE coated ductile iron
Seat	EPDM or FKM
Disc	316 stainless steel
Pressure	Up to 16 bar (depending on size)
Actuation	Electric, IP67, all voltages
Approvals	WaterMark, StandardsMark & WSAA



DESCRIPTION

The BFDE series has a ductile iron body, 316 stainless steel disc and EPDM seat (FKM also available), operated by a high quality IP67 electric actuator available in all voltages. With an EPDM seat the valves are WaterMark, StandardsMark and WSAA (Water Services Association of Australia) certified.

These wafer butterfly valves fit all standard flanges (DIN PN6/PN10/PN16/PN25, ANSI 150, JIS 5K/10K, AS2129 Table D/E). The bonded cartridge design gives a longer service life, allows vacuum to be run through the valve, and lets the seat be replaced if ever needed. Common applications include water trucks, irrigation, cement hoppers and other industrial uses.

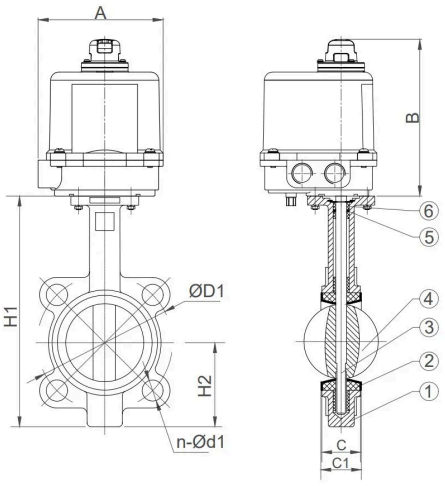
Different sizes have different numbers of guide holes on the outside of the valve, so yours may look different from the photo. For sizes above 600 mm, please contact us.

MODELS

Model	Size (mm)	Actuator	Media pressure	Temp. EPDM	Temp. FKM	Manual override
BFD50-E*-E	50	0M-1	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Spanner drive
BFD65-E*-E	65	0M-1	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Spanner drive
BFD80-E*-E	80	0M-1	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Spanner drive
BFD100-E*-E	100	0M-A	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Allen key
BFD125-E*-E	125	0M-A	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Allen key
BFD150-E*-E	150	0M-2	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD200-E*-E	200	0M-3	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD250-E*-E	250	0M-4	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD300-E*-E	300	0M-5	Vacuum to 16 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD350-E*-E	350	0M-6	Vacuum to 10 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD400-E*-E	400	0M-7	Vacuum to 10 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD450-E*-E	450	0M-8	Vacuum to 10 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD500-E*-E	500	0M-9	Vacuum to 10 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel
BFD600-E*-E	600	0M-11	Vacuum to 10 bar	-10 to 90°C (40°C potable)	-10 to 150°C	Handwheel

*Voltages available: 12V DC, 24V DC, 24V AC, 110V AC, 240V AC, 415V AC. For sizes over 600 mm or a different seat material, please contact us.

DIMENSIONS



Model	DN	Actuator	A	B	C	C1	H1	H2	AS2129 Table D		AS2129 Table E		ANSI 150	
									ØD1	n-Ød1	ØD1	n-Ød1	ØD1	n-Ød1
BFD50-E*-E	50	0M-1	108	155	42	46.1	225	70	114	4-18	114	4-18	120.5	4-19
BFD65-E*-E	65	0M-1	108	155	44.7	49.1	245	77	127	4-18	127	4-18	139.5	4-19
BFD80-E*-E	80	0M-1	108	155	45.2	48.4	261	87	146	4-18	146	4-18	152.5	4-19
BFD100-E*-E	100	0M-A	108	200	52.1	55.3	305	112	178	4-18	178	4(8)-18	190.5	4(8)-19
BFD125-E*-E	125	0M-A	108	200	54.4	58.8	332	128	210	4(8)-18	210	4(8)-18	216	4(8)-22
BFD150-E*-E	150	0M-2	200	290	55.8	59.1	361	143	235	4(8)-18	235	4(8)-22	241.5	4(8)-22
BFD200-E*-E	200	0M-3	200	290	60.6	64.1	423	173	292	4(8)-18	292	4(8)-22	298.5	4(8)-22
BFD250-E*-E	250	0M-4	234	315	65.6	71.8	499	210	356	4(8)-22	356	4(12)-22	362	4(12)-25
BFD300-E*-E	300	0M-5	234	315	76.9	81	578	244	406	4(12)-22	406	4(12)-26	432	4(12)-25
BFD350-E*-E	350	0M-6	234	315	76.5	79.5	635	267	470	4(12)-26	470	4(12)-26	476	4(12)-29
BFD400-E*-E	400	0M-7	234	420	86.5	90	697	297	521	4(12)-26	521	4(12)-26	539.5	4(16)-29
BFD450-E*-E	450	0M-8	260	590	105.6	109	737	315	584	4(12)-26	584	4(12)-26	578	4(16)-32
BFD500-E*-E	500	0M-9	260	590	131.8	135	840	360	641	4(16)-26	641	4(16)-26	635	4(20)-32
BFD600-E*-E	600	0M-11	260	590	152	156	1006	444	756	4(16)-30	756	4(16)-33	749.5	4(20)-35

All dimensions in mm unless specified otherwise.

CONSTRUCTION

Item	Description	Material
1	Body	Ductile iron (fusion bonded epoxy coated)
2	Seat	EPDM
3	Shaft	SS431
4	Disc	CF8M (316 stainless steel)
5	Bushing	PTFE
6	O-ring	NBR
–	Electric actuator	Powder coated aluminium

WARNING

These products are intended for industrial use only. Do not use them where pressures and temperatures can exceed those shown in this data sheet. Before using with other fluids, or for non-industrial or life-support applications, consult Condor. Components can fail through misuse, age or malfunction, so system designers should allow for possible failure modes and provide safeguards against injury or damage. Specifications may change without notice.

WARRANTY

Products supplied by Condor are warranted to be free of defects in materials and workmanship for 1 year from the date of purchase. Our obligation is limited to repair, replacement or refund at Condor's discretion, provided the product is returned freight prepaid and found to be defective. The warranty is void if the product has been misused, misapplied, poorly maintained, modified or tampered with.

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