

Ref:FD01-BV1DF-3P
BRev.:Initial
Page:1/2

DOUBLE FLANGED 13 SERIES TYPE BUTTERFLY VALVE WITH PNEUMATIC ACUTATOR FD01-BV1DF-3P



APPLICATION

General Use: Water, sea water, gas, pressurized air, acids etc.

CARACTERISTIQUES GENERALES

Double Flange Type Butterfly Valve.
Design in accordance with NF EN 593. Tightness in both ways.
Face to Face: EN558-13 Serial.

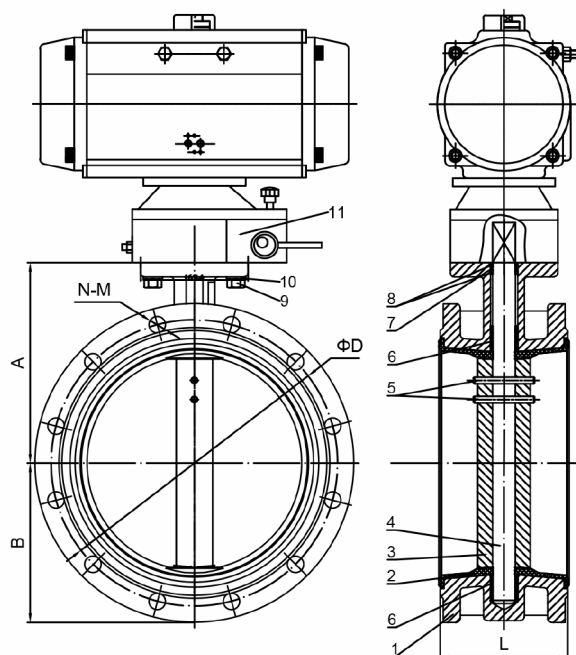
CONSTRUCTION

NO.	PARTS	MATERIAL
1	BODY	CI / DI / CF8 / CF8M / WCB
2	SEAT	EPDM / NBR / VITON / SILICON etc
3	DISC	CF8 / CF8M / AL-DC / DUPLEX STEEL
4	STEM	SS416 / SS304 / SS316
5	PIN	SS304 / 316
6	BUSHING	PTFE / BRONZE
7	O-RING	NBR / EPDM
8	BUSHING	PTFE / BRONZE
9	BOLT&NUT	STAINLESS STEEL / GALVANIZED
10	FLAT WASHER	STAINLESS STEEL / GALVANIZED
11	PNEUMATIC ACUTATOR	



DIMENSIONS

DN	mm	inch	A	B	L	PN10			PN16			ANSI 150		
						ΦD	N	M	ΦD	N	M	ΦD	N	M
50	2"	120	83	108	125.0	4	Φ18	125	4	Φ18	120.5	4	Φ19	
65	2.5"	130	93	112	145	4	Φ18	145	4	Φ18	139.5	4	Φ19	
80	3"	145	100	114	160	8	Φ18	160	8	Φ18	152.5	4	Φ19	
100	4"	155	114	127	180	8	Φ18	180	8	Φ18	190.5	8	Φ19	
125	5"	170	125	140	210	8	Φ18	210	8	Φ18	216	8	Φ22	
150	6"	190	143	140	240	8	Φ23	240	8	Φ23	241.5	8	Φ22	
200	8"	205	170	152	295	8	Φ23	295	12	Φ23	298.5	8	Φ22	
250	10"	260	195	165	350	12	Φ23	355	12	Φ27	362	12	Φ25	
300	12"	300	223	178	400	12	Φ23	410	12	Φ27	432	12	Φ25	
350	14"	330	245	190	460	16	Φ23	470	16	Φ27	476	12	Φ29	



WORKING CONDITIONS

Maximum Working Pressure: PN6 / PN10 / PN16
Maximum Working Temperature table

Sleeve type in option	Maximum Temperature	Peak Temperature
EPDM	+4°C ~ +110°C	-20°C ~ +130°C
EPDM Blanc	+4°C ~ +110°C	-20°C ~ +130°C
CSM (Type Hypalon)	+4°C ~ +80°C	-20°C ~ +110°C
FPM (Type Viton)	-10°C ~ +170°C	-20°C ~ +200°C
Silicone	-20°C ~ +170°C	-40°C ~ +200°C
Nitrile (NBR)	-10°C ~ +80°C	-20°C ~ +90°C

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/EU, module H Face to face according to standards NF EN558 SERIE 13. ISO5752, DIN3202. Mounting between flanges
Body: 1.5 times
Seat: 1.1 times

Tianjin Fortis Valve Co., Ltd.
Fortis Valve-Guazigou Industrial Zone, Xiaozhan Town, Jin nan District, Tianjin of China.
Tel: +86-22-88529757
Email: info@fortisvalves.com

Fax: +86-22-88818118
Web: www.fortisvalves.com

Ref:FD01-BV1DF-3P
Rev.:Initial
Page:2/2

DOUBLE FLANGED 13 SERIES TYPE BUTTERFLY VALVE WITH PNEUMATIC ACUTATOR FD01-BV1DF-3P



APPLICATION

General Use: Water, sea water, gas, pressurized air, acids etc.

CARACTERISTIQUES GENERALES

Double Flange Type Butterfly Valve.
Design in accordance with NF EN 593. Tightness in both ways.
Face to Face: EN558-13 Serial.

CONSTRUCTION

NO.	PARTS	MATERIAL
1	BOLT	STAINLESS STEEL / GALVANIZED
2	COVER	CI / DI / CF8 / CF8M / WCB
3	O-RING	NBR / EPDM
4	BUSHING	PTFE / BRONZE
5	BODY	CI / DI / CF8 / CF8M / WCB
6	SEAT	EPDM / NBR / VITON / SILICON etc
7	DISC	CF8 / CF8M / AL-DC / DUPLEX STEEL
8	STEM	SS416 / SS304 / SS316
9	PIN	SS304 / 316
10	BUSHING	PTFE / BRONZE
11	KEY	45#
12	BOLT	STAINLESS STEEL / GALVANIZED
13	FLAT WASHER	STAINLESS STEEL / GALVANIZED
14	PNEUMATIC ACUTATOR	

DIMENSIONS

DN	mm	inch	A	B	L	PN10			PN16			ANSI 150		
						ΦD	N	M	ΦD	N	M	ΦD	N	M
400	16"		370	300	216	515	16	Φ27	525	16	Φ30	539.5	16	Φ29
450	18"		400	340	222	565	20	Φ27	585	20	Φ30	578	16	Φ32
500	20"		500	390	229	620	20	Φ27	650	20	Φ33	635	20	Φ32
600	24"		582	447	267	725	20	Φ30	770	20	Φ36	749.5	20	Φ35
700	28"		570	480	292	840	24	Φ30	840	24	Φ36	863	28	Φ35
800	32"		630	529	318	950	24	Φ33	950	24	Φ39	977.9	28	Φ41
900	36"		690	584	330	1050	28	Φ33	1050	28	Φ39	1086	32	Φ41
1000	40"		745	657	410	1160	28	Φ36	1170	28	Φ42	1200	36	Φ41
1200	48"		925	799	470	1380	32	Φ39	1390	32	Φ48	1422.5	44	Φ41

WORKING CONDITIONS

Maximum Working Pressure: PN6 / PN10 / PN16
Maximum Working Tempresure table

Sleeve type in option	Maximum Temperature	Peak Temperature
EPDM	+4℃~+110℃	-20℃~+130℃
EPDM Blanc	+4℃~+110℃	-20℃~+130℃
CSM(Type Hypaion)	+4℃~+80℃	-20℃~+110℃
FPM (Type Viton)	-10℃~+170℃	-20℃~+200℃
Silicone	-20℃~+170℃	-40℃~+200℃
Nitrile (NBR)	-10℃~+80℃	-20℃~+90℃

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/EU, modulate H Face to face according to standards NF EN558 SERIE 13. ISO5752, DIN3202. Monting between flanges
Body: 1.5 times
Seat: 1.1 times

Tianjin Fortis Valve Co., Ltd.
Fortis Valve-Guazigou Industrial Zone, Xiaozhan Town, Jin nan District, Tianjin of China.
Tel: +86-22-88529757
Email: info@fortisvalves.com
Fax: +86-22-88818118
Web: www.fortisvalves.com

