

Ref:FN1-BV1W-1P
Rev.:Initial
Page:1/2

BUTTERFLY VALVE WITH PNEUMATIC ACUTATOR FN1-BV1W-1P



FTV
Since 2000

APPLICATION

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

CARACTERISTIQUES GENERALES

Resilient Seat Wafer Type Butterfly Valves
Design according with BS EN593/API609
Testing according with EN598. For Shell: 1.5 times Sealing: 1.1 times.
Tightness in both ways. wafer type with smooth ears. Resilient seat adapted to the shape of the body assures low operating torque. Mounting flange according to ISO5211

CONSTRUCTION

NO.	PARTS	MATERIAL
1	BODY	CI / DI
2	SEAT	EPDM / NBR / VITON / SILICON
3	LOWER SHAFT	SS416 / 316 / 304
4	DISC	DI / CF8 / CF8M
5	UPPER SHAFT	SS304 / 316
6	O-RING	NBR / EPDM
7	BUSHING	PTFE / BRONZE
8	BOLT&NUT	STAINLESS STEEL / GALVANIZED
9	FLAT WASHER	STAINLESS STEEL / GALVANIZED
10	BUSHING	PTFE / BRONZE
11	BOLT	STAINLESS STEEL / GALVANIZED
12	PRESSURE RING	CARBON STEEL
13	PNEUMATIC ACUTATOR	

DIMENSIONS

DN	mm	inch	A	B	L	PN10			PN16			ANSI 150		
						ΦD	N	M	ΦD	N	M	ΦD	N	M
50	2"	161	80	43	125	4	Φ18	125	4	Φ18	120.5	4	Φ19	
65	2.5"	175	89	46	145	4	Φ18	145	4	Φ18	139.5	4	Φ19	
80	3"	181	95	46	160	8	Φ18	160	8	Φ18	152.5	4	Φ19	
100	4"	200	114	52	180	8	Φ18	180	8	Φ18	190.5	8	Φ19	
125	5"	213	127	56	210	8	Φ18	210	8	Φ18	216	8	Φ22	
150	6"	226	139	56	240	8	Φ22	240	8	Φ22	241.5	8	Φ22	
200	8"	260	175	60	295	8	Φ22	295	12	Φ22	298.5	8	Φ22	
250	10"	292	203	68	350	12	Φ22	355	12	Φ26	362	12	Φ25	
300	12"	337	242	78	400	12	Φ22	410	12	Φ26	432	12	Φ25	

WORKING CONDITIONS

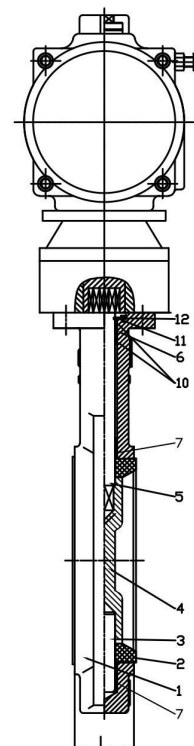
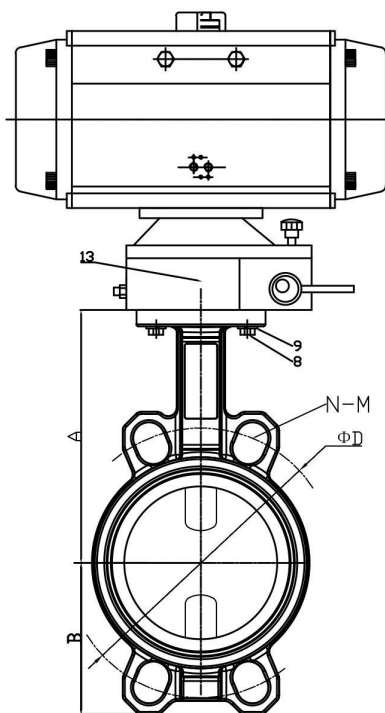
Maximum Working Pressure: 16 bar.
Maximum Working Tempresure table

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 20.ISO5752,DIN3202.
Mounting between flanges UNI EN1092:PN10/16,ANSI150,JIS 5K/10K,BS 10, TABLE E etc.
Body:24bar
Seat:17.6bar

Tianjin Fortis Valve Co.,Ltd.
Fortis Valve-Guaizigou 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:FN1-BV1W-1P
Rev.:Initial
Page2/2

BUTTERFLY VALVE WITH PNEUMATIC ACUTATOR FN1-BV1W-1P



APPLICATION

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

CARACTERISTIQUES GENERALES

Resilient Seat Wafer Type Butterfly Valves
Design according with BS EN593/API609
Testing according with EN598. For Shell: 1.5 times Sealing: 1.1 times.
Tightness in both ways. wafer type with smooth ears. Resilient seat
adapted to the shape of the body assures low operating
torque. Mounting flange according to ISO5211

CONSTRUCTION

NO.	PARTS	MATERIAL
1	BODY	CI / DI
2	BUSHING	PTFE / BRONZE
3	SEAT	EPDM / NBR / VITON / SILICON
4	LOWER SHAFT	SS416 / 316 / 304
5	DISC	DI / CF8 / CF8M
6	UPPER SHAFT	SS416 / 316 / 304
7	O-RING	NBR / EPDM
8	BUSHING	PTFE / BRONZE
9	BOLT	STAINLESS STEEL
10	PRESSURE RING	CARBON STEEL
11	BOLT	STAINLESS STEEL / GALVANIZED
12	FLAT WASHER	STAINLESS STEEL / GALVANIZED
13	PNEUMATIC ACUTAT	

DIMENSIONS

DN	mm	inch	A	B	L	PN10			PN16			ANSI 150		
						ΦD	N	M	ΦD	N	M	ΦD	N	M
350	14"	368	267	78	460	16	Φ22	470	16	Φ26	476	12	Φ29	
400	16"	400	297	102	515	16	Φ26	525	16	Φ30	539.5	16	Φ29	
450	18"	422	315	114	565	20	Φ26	585	20	Φ30	578	16	Φ32	
500	20"	480	348	127	620	20	Φ26	650	20	Φ33	635	20	Φ32	
600	24"	562	444	154	725	20	Φ30	770	20	Φ36	749.5	20	Φ35	

WORKING CONDITIONS

Maximum Working Pressure: 16 bar.
Maximum Working Tempreature 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 Hypaion)	+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, modulate H Face to face according to standards NF EN558
SERIE 20. ISO5752, DIN3202.
Mounting between flanges UNI EN1092: PN10/16, ANSI150, JIS 5K/10K, BS
10, TABLE E etc.
Body: 24bar
Seat: 17.6bar

Tianjin Fortis Valve Co., Ltd.
Fortis Valve-Guaizigou 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

