

Ref:FO1-BV1LT-3G
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LUG TYPE BUTTERFLY VALVE WITH WORM GEAR FO1-BV1LT-3G



FTV
Since 2000

APPLICATION

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

CARACTERISTIQUES GENERALES

Resilient Seat Lug Type Butterfly Valves
Design according with BS EN593/API609
Tightness in both ways. Lug type with threaded ears.
Flexible sleeve adapted to the shape of the body assures low operating torque.
The semi stem giving a high flow coefficient. Machined disc on periphery giving a low and regular torque. Unejectable stem.
Mounting flange according to ISO 5211.

CONSTRUCTION

1	BODY	CI / DI / WCB / STAINLESS STEEL
2	SEAT	EPDM / NBR / PTFE / SILICON
3	DISC	DI / CF8 / CF8M / AI-Bc / DUPLEX STEEL
4	STEM	SS304 / 316 / 416
5	PIN	SS304 / 316
6	BUSHING	PTFE / COPPER ALLOY
7	O-RING	NBR / EPDM
8	BUSHING	PTFE / COPPER ALLOY
9	BOLT	STAINLESS STEEL / GALVANIZED
10	FLAT WASHER	STAINLESS STEEL / GALVANIZED
11	WORM GEAR	
NO.	PARTS	MATERIAL

DIMENSIONS

DN	mm	INCH	A	B	L	PN10			PN16			ANSI 150		
						Φ D	N	M	Φ D	N	M	Φ D	N	M
50	2"		161	80	43	125.0	4	M16	125	4	M16	120.5	4	3/4"-11
65	2.5"		175	89	46	145	4	M16	145	4	M16	139.5	4	3/4"-11
80	3"		181	95	46	160	8	M16	160	8	M16	152.5	4	3/4"-11
100	4"		200	114	52	180	8	M16	180	8	M16	190.5	8	3/4"-11
125	5"		213	127	56	210	8	M16	210	8	M16	216	8	3/4"-10
150	6"		226	139	56	240	8	M20	240	8	M20	241.5	8	3/4"-10
200	8"		260	175	60	295	8	M20	295	8	M20	298.5	8	3/4"-10
250	10"		292	203	68	350	12	M20	355	12	M24	362	12	7/8"-9
300	12"		337	242	78	400	12	M20	410	12	M24	432	12	7/8"-9
350	14"		368	267	78	460	16	Φ22	470	16	Φ26	476	12	1"-8

WORKING CONDITIONS

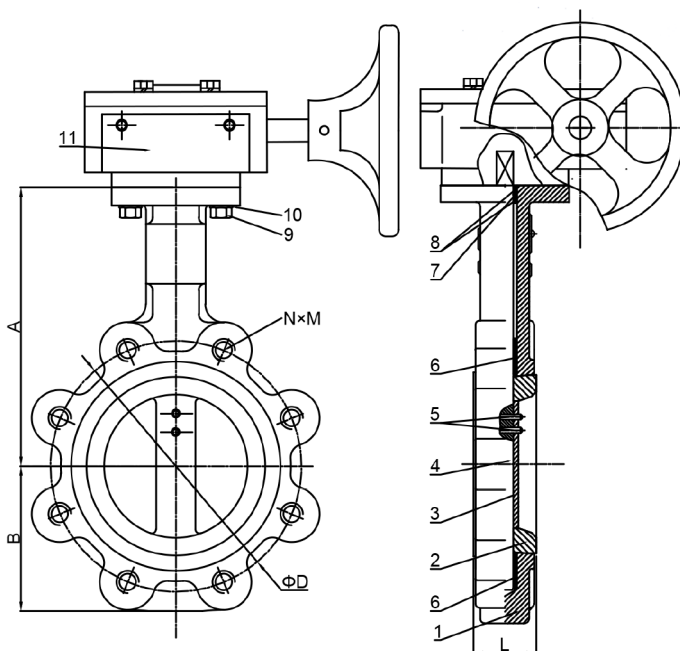
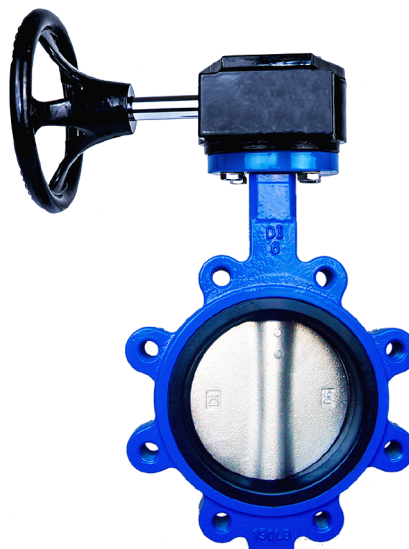
Maximum Working Pressure: 16 bar.
Maximum Working Temperature table

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, modulate H Face to face according to standards NF EN558 SERIE 20, ISO 5752, DIN3202. Mounting between flanges PN16
Body: 24bar
Seat: 17.6bar

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Mounting flange according to ISO 5211.

CONSTRUCTION

1	BOLT	STAINLESS STEEL / GALVANIZED
2	COVER	CI / DI / WCB / STAINLESS STEEL
3	O-RING	NBR / EPDM
4	BUSHING	PTFE / COPPER ALLOY
5	BODY	CI / DI / WCB / STAINLESS STEEL
6	SEAT	EPDM / NBR / PTFE / SILICON
7	DISC	DI / CF8 / CF8M / AI-Bc / DUPLEX STEEL
8	STEM	SS304 / 316 / 416
9	PIN	SS304 / 316
10	BUSHING	PTFE / COPPER ALLOY
11	BOLT	STAINLESS STEEL / GALVANIZED
12	FLAT WASHER	STAINLESS STEEL / GALVANIZED
13	WORM GEAR	
NO.	PARTS	MATERIAL

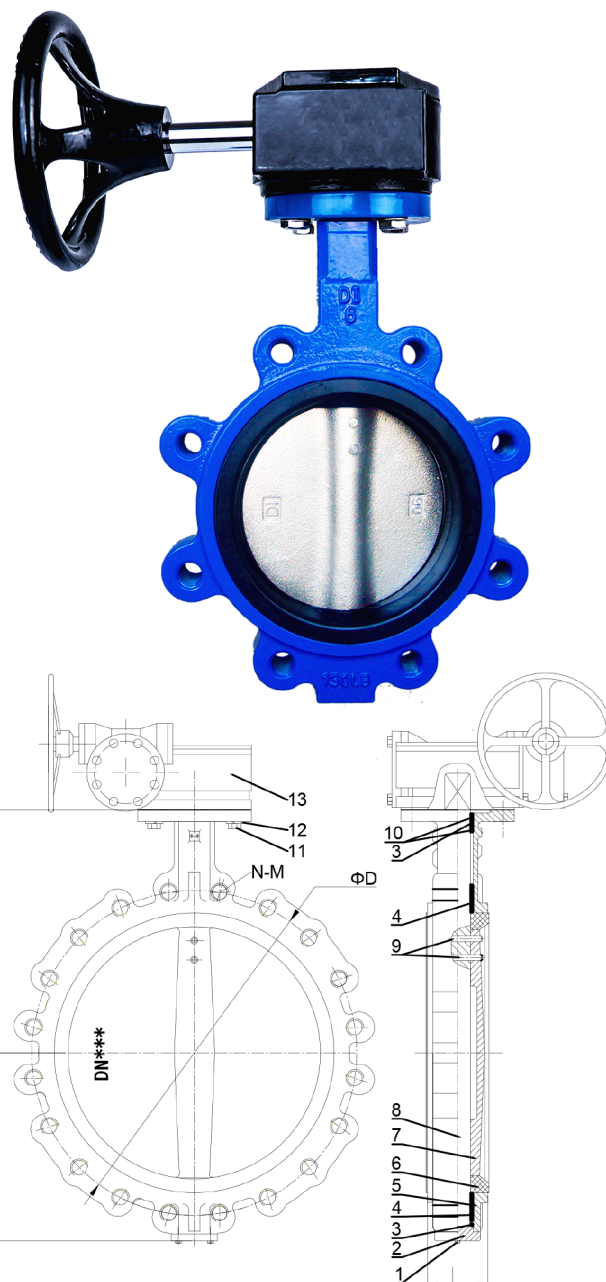
DIMENSIONS

DN		A	B	L	PN10			PN16			ANSI 150		
mm	INCH				ΦD	N	M	ΦD	N	M	ΦD	N	M
400	16"	400	297	102	515	16	M24	525	16	M27	539.5	16	1"-8
450	18"	422	315	114	565	20	M24	585	20	M27	578	16	1 1/8"-7
500	20"	480	348	127	620	20	M24	650	20	M30	635	20	1 1/8"-7
600	24"	562	444	154	725	20	M27	770	20	M33	749.5	20	1 1/2"-6
700	28"	629	512	165	840	24	M27	840	24	M33	863	28	1 1/2"-6
800	32"	666	576	190	950	24	M30	950	24	M36	977.9	28	1 1/2"-6
900	36"	722	635	203	1050	28	M30	1050	28	M36	1086	32	1 7/8"-6
1000	40"	800	700	216	1160	28	M33	1170	28	M39	1200	36	1 7/8"-6
1200	48"	941	844	254	1380	32	M36	1390	32	M45	1422.5	44	1 7/8"-6

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