

Ref:FO1-BV1LT-2G
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LUG TYPE BUTTERFLY VALVE WITH WORM GEAR FO1-BV1LT-2G



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 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	BUSHING	PTFE / BRONZE
6	O-RING	NBR / EPDM
7	BUSHING	PTFE / BRONZE
8	BOLT	STAINLESS STEEL
9	PRESSURE RING	CARBON STEEL
10	BOLT	STAINLESS STEEL
11	FLAT WASHER	STAINLESS STEEL
12	WORM GEAR	CARBON STEEL / ALUMINUM
NO.	PARTS	MATERIAL

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	125.0	4	M16	125	4	M16	120.5	4	UNF-11	
65	2.5"	175	89	46	145	4	M16	145	4	M16	139.5	4	UNF-11	
80	3"	181	95	46	160	8	M16	160	8	M16	152.5	4	UNF-11	
100	4"	200	114	52	180	8	M16	180	8	M16	190.5	8	UNF-11	
125	5"	213	127	56	210	8	M16	210	8	M16	216	8	UNF-10	
150	6"	226	139	56	240	8	M20	240	8	M20	241.5	8	UNF-10	
200	8"	260	175	60	295	8	M20	295	8	M20	298.5	8	UNF-10	
250	10"	292	203	68	350	12	M20	355	12	M24	362	12	UNF-9	
300	12"	337	242	78	400	12	M20	410	12	M24	432	12	UNF-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

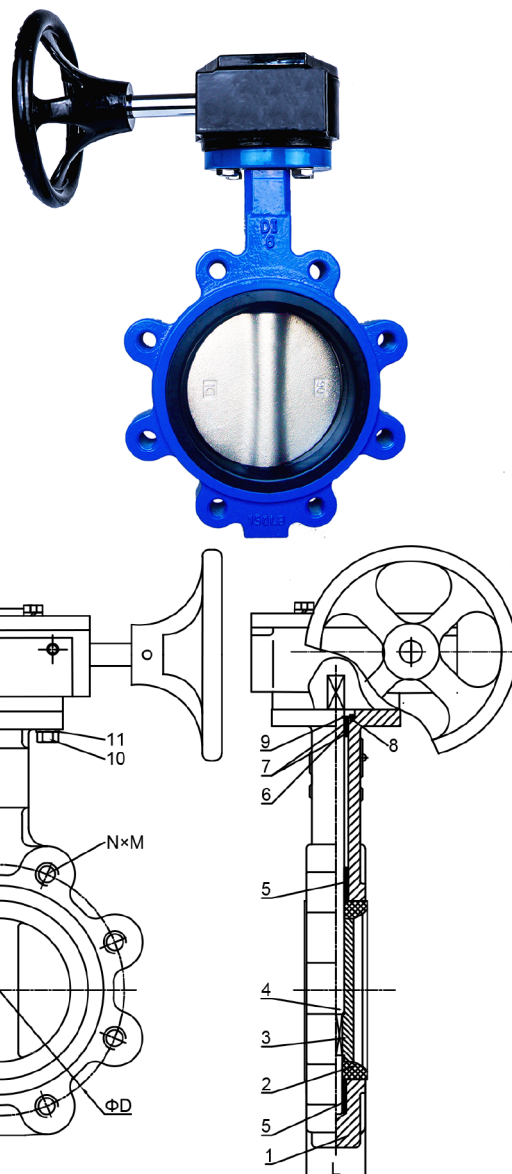
Sleeve type in option	Maximum Temperature	Peak Temperature
EPDM	+4°C ~ +110°C	-20°C ~ +130°C
EPDM Blanc	+4°C ~ +110°C	-20°C ~ +130°C
CSM (Type Hypalon)	+4°C ~ +80°C	-20°C ~ +110°C
FPM (Type Viton)	-10°C ~ +170°C	-20°C ~ +200°C
Silicone	-20°C ~ +170°C	-40°C ~ +200°C
Nitrile (NBR)	-10°C ~ +80°C	-20°C ~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

STANDARDS

Manufacture according to the requirements of the European directive 2014/68/EU, module 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, TALBE Etc.
Body: 24bar
Seat: 17.6bar

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LUG TYPE BUTTERFLY VALVE WITH WORM GEAR FO1-BV1LT-2G



APPLICATION

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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 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	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	BUSHING	PTFE / COPPER ALLOY
10	BOLT	STAINLESS STEEL
11	PRESSURE RING	CARBON STEEL
12	BOLT	STAINLESS STEEL / GALVANIZED
13	FLAT WASHER	STAINLESS STEEL / GALVANIZED
14	WORM GEAR	
NO.	PARTS	MATERIAL

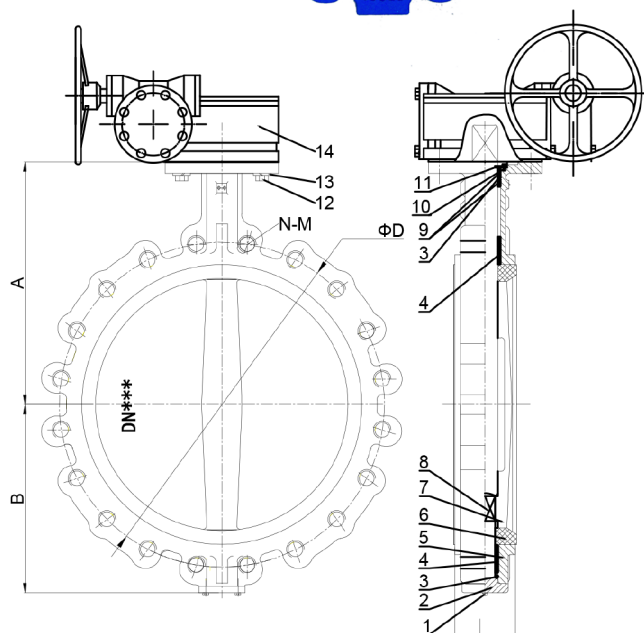
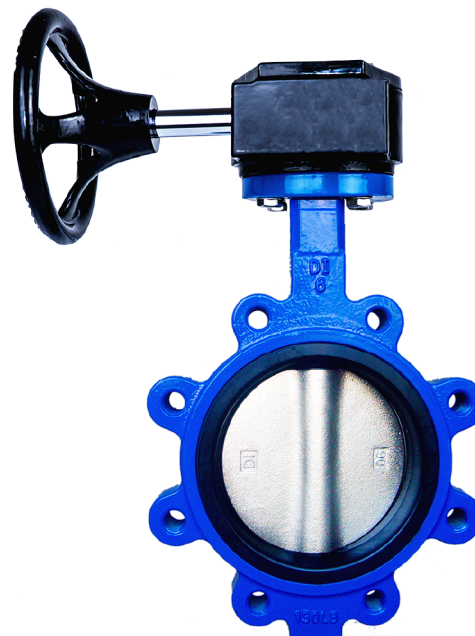
DIMENSIONS

DN	mm	INCH	A	B	L	PN10			PN16			ANSI 150		
						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 1/4"-6
700	28"		629	512	165	840	24	M27	840	24	M33	863	28	1 1/4"-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 1/2"-6
1000	40"		800	700	216	1160	28	M33	1170	28	M39	1200	36	1 1/2"-6
1200	48"		941	844	254	1380	32	M36	1390	32	M45	1422.5	44	1 1/2"-6

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Maximum Working Pressure: 16 bar.
Maximum Working Temperature table

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STANDARDS

Manufacture according to the requirements of the European directive 2014/68/EU module 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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