

BUTTERFLY VALVE WITH MANUAL GEARBOX

TECHNICAL PASSPORT

LUG TYPE BUTTERFLY VALVE WITH SIGNAL GEARBOX

VP4648A-08

APPLICATION

The TECOFI lug type butterfly valve, compliant with fire network standards, is specifically designed for fire safety systems and fire protection networks.

Area of use: Fire protection networks



Fluids: Clear water and/or lightly charged water, demineralized water, non-corrosive fluids

GENERAL CHARACTERISTICS

Range: from DN50 to DN300.

- Design in accordance with MSS-SP67 / EN593.
- Red epoxy coating (RAL3001) for high visibility
- Integrated signal gearbox for instant visual indication of open/closed position
- Low pressure drop
- Operated by handwheel-driven manual gearbox

STANDARDS

Face to face	Face to face according to standard ISO5752 Series 20.
Connection	Witj flanges PN10/16 for DN50 to DN150 and PN16 for DN200 to DN300 according to EN1092-2
Tests	Pressure test in accordance with FM1112, UL1091

PRODUCT APPROVALS



Tecofi France

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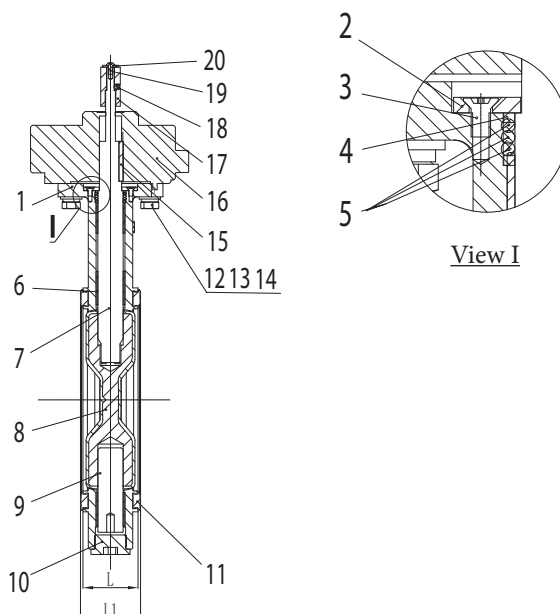
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CONSTRUCTION

Component	Coating
Body (1)	Epoxy powder RAL 3001 thickness 150µm
Gearbox (16)	Epoxy powder RAL 3001 thickness 150µm



Pos.	Description	Material	Equivalences		
			DIN	ASTM	BS
1	Body	Ductile iron EN-GJS-400-15	GGG40	A536 65-45-12	EN-JS1030
2	Upper shaft gland	Q235			
3	Cross recessed countersunk head screw	Galvanized carbon steel			
4	Short shaft sleeve	C6300			
5	O-ring	EPDM			
6	Long shaft sleeve	C6300			
7	Upper shaft	SS410			
8	Disc	Ductile iron EN-GJS-400-15 + EPDM	GGG40	A536 65-45-12	EN-JS1030
9	Lower shaft	SS410			
10	Hex socket plug	SS304			
11	Sealing ring	EPDM			
12	Hexagon head bolt	SS304			
13	Spring gasket	SS304			
14	Flat gasket	SS304			
15	Half-round key	45#			
16	Electrical turbine box	Ductile iron EN-GJS-400-15	GGG40	A536 65-45-12	EN-JS1030
17	Indicator	Ductile iron EN-GJS-400-15	GGG40	A536 65-45-12	EN-JS1030
18	Hexagon flat end setting screw	SS304			
19	Rear axle pad	EPDM			
20	Large flat pad Class A	SS304			

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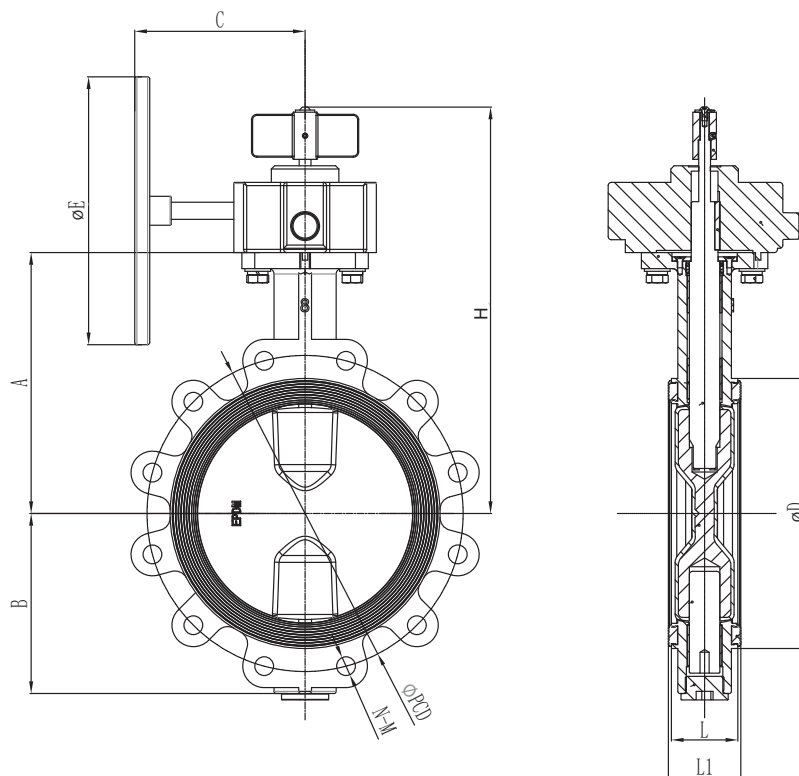


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DIMENSIONS



DN		A	B	Ø C	H	L	L1	Ø D	Ø E	PCD	N-M	Weight (kg)
mm	inch											
50	2"	140.5	77	110	262.4	43	47	82	108	125	4-M16	5.6
65	2 1/2"	152.5	80	110	274.5	46	51	97	108	145	4-M16	7
80	3"	157.5	87	110	279.5	46	51	109	108	160	8-M16	8
100	4"	176	108	110	298	52	57	140	108	180	8-M16	10
125	5"	191	132	133	313.5	56	61	165	150	210	8-M16	11
150	6"	202.5	144	133	329.75	62	67	198	150	240	8-M20	12
200	8"	243.5	174	187	379.25	62	67	252	250	295	12-M20	18
250	10"	273	208	187	409	68	73	304	250	355	12-M24	23
300	12"	311	261	187	464.75	78	83	355	250	410	12-M24	47.6

WORKING CONDITIONS

Maximum working pressure : 16 bar)

Maximum working temperature : -10°C / +120°C

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