

BUTTERFLY VALVE WITH MANUAL GEARBOX

TECHNICAL PASSPORT

LUG TYPE BUTTERFLY VALVE WITH SIGNAL GEARBOX

VP4448A-08

APPLICATION

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

Area of use: Fire protection networks



Fluides: 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 / ISO 5752.
- 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	Mounting according to AWWA C606
Tests	Pressure test in accordance with FM1112, UL1091

PRODUCT APPROVALS



Tecofi France

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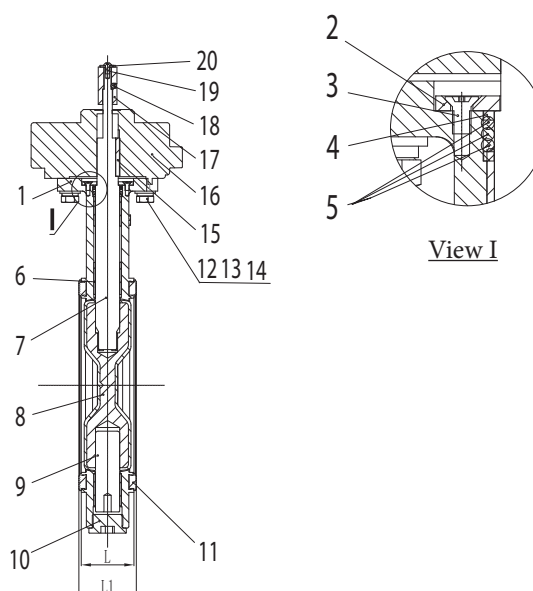


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CONSTRUCTION



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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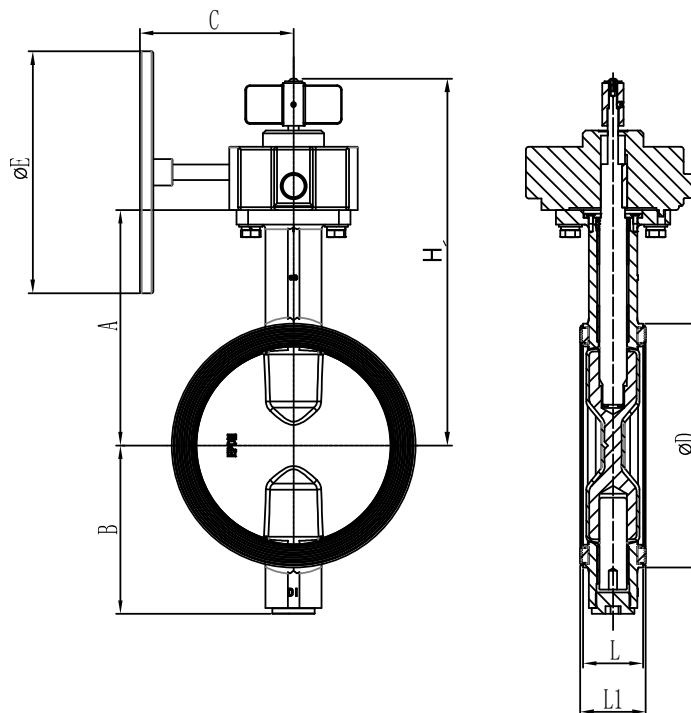


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DIMENSIONS



DN		A	B	Ø C	H	L	L1	Ø D	Ø E	Weight (kg)
mm	inch									
50	2"	140.5	77	110	262.4	43	47	82	108	5.6
65	2 1/2"	152.5	80	110	274.5	46	51	97	108	7
80	3"	157.5	87	110	279.5	46	51	109	108	8
100	4"	176	108	110	298	52	57	140	108	10
125	5"	191	132	133	313.5	56	61	165	150	11
150	6"	202.5	144	133	330.25	62	67	198	150	12
200	8"	243.5	174	187	379.25	62	67	252	250	18
250	10"	273	208	187	409	68	73	304	250	23
300	12"	311	261	187	464.75	78	83	355	250	47.6

WORKING CONDITIONS

Maximum working pressure : 20.7 bar (300PSI)
Maximum working temperature : -10°C / +120°C

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