

BUTTERFLY VALVE TECFLON WITH MANUAL GEAR BOX

TECHNICAL PASSPORT

BUTTERFLY VALVE TECFLON- DUCTILE IRON BODY WITH MANUAL GEAR BOX

VP4649-08PTFE

APPLICATION

TECFLON butterfly valves are intended for ON/OFF or control use in fluid transfer circuits.

- **Area of use:** ingeneering, chemical and petrochemical industry, sewage treatment plants.



- **Fluids:** waste water, liquid waste, corrosive products, hydrocarbons, etc.
«Not suitable for steam application»

GENERAL CHARACTERISTICS

Range: from DN125 to DN300.

- Type with threaded ears
- Sealing in both directions of circulation of the piping.
- Stainless steel disc.
- PTFE sleeve with viton backup pad.
- Extended neck compatible with pipe lapping
- Reduced maneuvering torque.
- Reduced head losses.
- ISO 5211 mounting plate.

STANDARDS

Design	Manufacture according to the requirements of the European directive 2014/68/UE «Equipment under pressure»: modulate H.
Face to face	Face to face dimension as per API 609 & ISO 5752 series 20.
Connection	Mounting with flanges ISO PN10/16 from DN125 to DN150 and PN10 from DN200 to DN300 according to EN1092-2.
Tests	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: -Body: WP x 1.5 bar -Seat: WP x 1.1 bar

PRODUCT APPROVALS



Tecofi France

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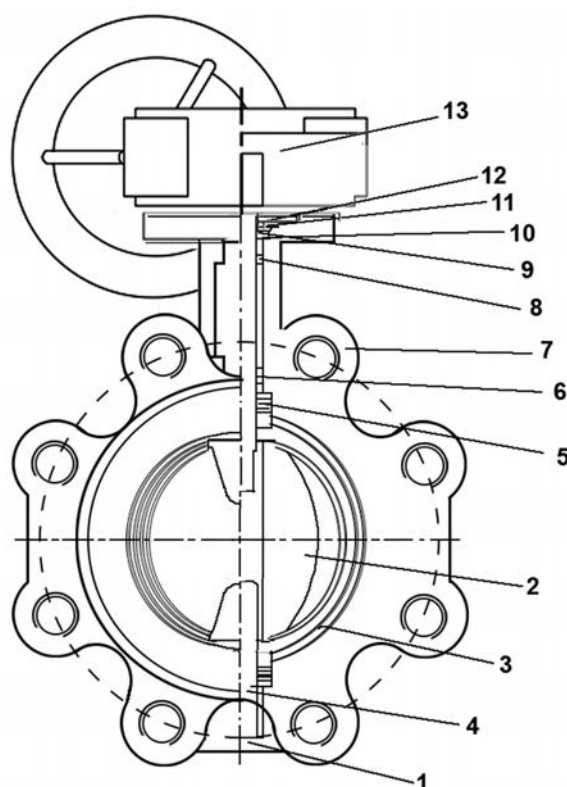


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CONSTRUCTION



Oven backed epoxy coated body RAL 5019 thickness 250μ

Pos.	Description	Material	Equivalences		
			DIN	ASTM	BS
1	Body	Ductile iron EN-GJS-500-7	GGG50	A536 65-70-50-05	1563 EN-JS1050
2	Disc	Stainless steel CF8M			
3	Sleeve	PTFE + FPM (Viton®)			
4	Stem	Stainless steel 316			
5	Joint	FRP (Fiber reinforced plastic)			
6	Bushing	FRP (Fiber reinforced plastic)			
7	Body	Ductile iron EN-GJS-500-7	GGG50	A536 65-70-50-05	1563 EN-JS1050
8	Bushing	FRP (Fiber reinforced plastic)			
9	Ring	Steel			
10	Stem circlip	Steel			
11	Ring	Steel			
12	Circlip	Steel			
13	Gear box				

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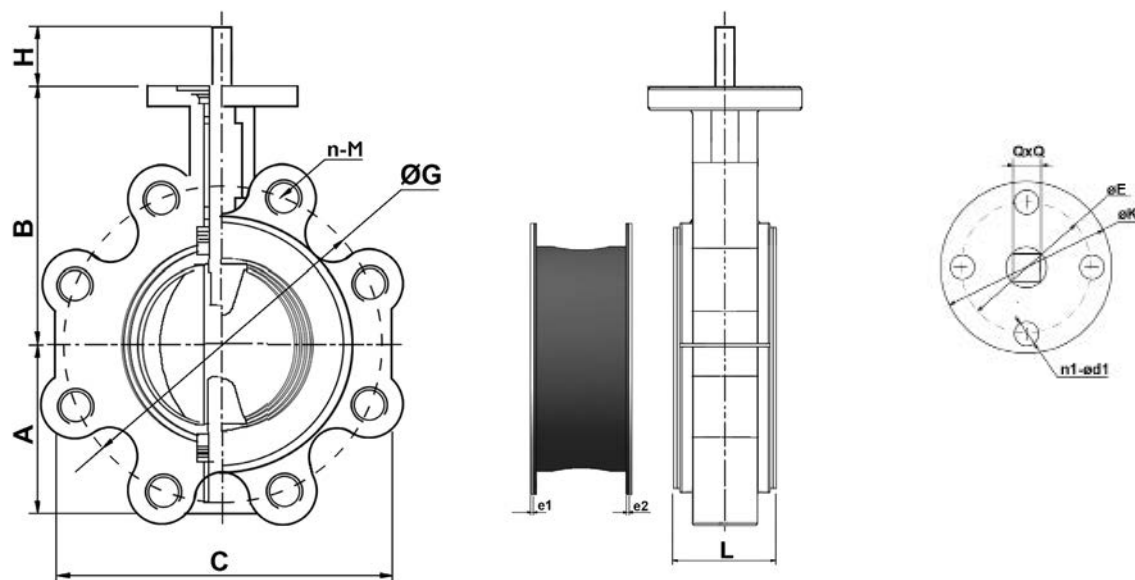


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DIMENSIONS



DN		A	B	C	L	H	Upper plate				ØG	n-M	Q	PTFE thickness e1	Viton thickness e2	Maximum possible vacuum (kPa)	KVs (m³/h)	Torque Nm	Weight (kg)
mm	inch						ISO	K	E	n1-Ød1									
125	5"	122	180	202	56	32	F07	90	70	4-Ø10	210	8-M19	14	2.4	2.6	30	1000	110	13.09
150	6"	134	186	231	56	32	F07	90	70	4-Ø10	240	8-M22	14	2.4	2.6	30	1500	150	13.45
200	8"	165	234	283.5	61	32	F10	125	102	4-Ø12	295	8-M22	17	2.4	2.6	20	3000	300	23.85
250	10"	194	273	340	69	45	F10	125	102	4-Ø12	350	12-M22	22	3	3	10	5200	400	32.4
300	12"	224	302	396	79	45	F10	125	102	4-Ø12	400	12-M22	22	3	3	10	8180	550	50.67

WORKING CONDITIONS

Maximum working pressure : 16 bar from DN125 to DN150

10 bar from DN200 to DN300

Maximum working temperature : -20°C / +190°C

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