

BUTTERFLY VALVE TECFLON WITH GEAR BOX

TECHNICAL PASSPORT

BUTTERFLY VALVE TECFLON- DUCTILE IRON BODY WITH GEAR BOX - BETWEEN FLANGES

VP4449R-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 smooth ears
 - Sealing in both directions of circulation of the piping.
 - PTFE sleeve with viton backup pad.
 - Extended neck compatible with pipe lapping
 - PTFE coated disc profiled and reduced in thickness
 - Reduced maneuvering torque.
 - Reduced head losses.
- Operated by manual gear box.



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 between flanges ISO PN10/16 from DN125 to DN150 and PN10 from DN200 to DN300 according to EN1092-2, BS450, AISI B16.1-5. Adjustable between flanges ASME B16.5 Class 150.
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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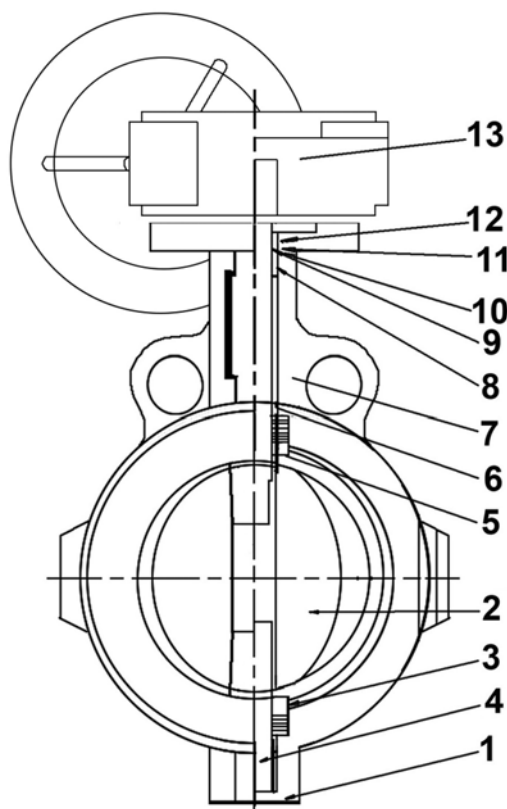


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CONSTRUCTION



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 + PTFE			
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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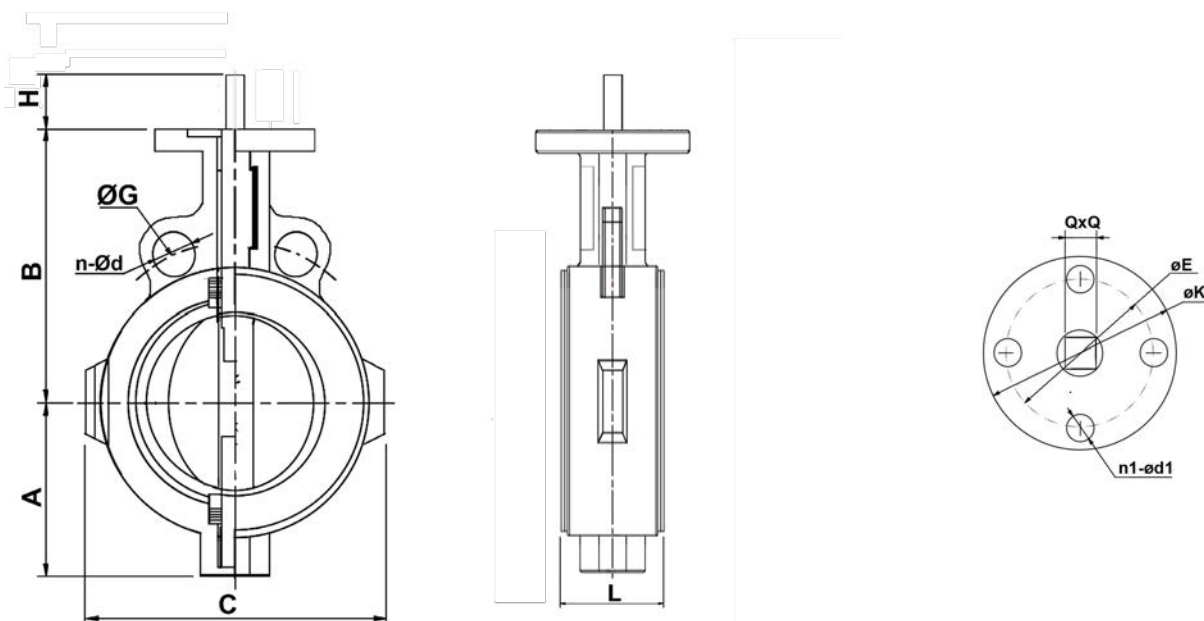


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DIMENSIONS



DN		A	B	C	L	H	Embase				$\varnothing G$	$n-\varnothing d$	Q	Torque Nm	Weight (kg)
mm	inch						ISO	K	E	$n1-\varnothing d1$					
125	5"	122	180	202	59	32	F07	90	70	4- $\varnothing 10$	210	8- $\varnothing 19$	14	110	10.93
150	6"	134	186	231	59	32	F07	90	70	4- $\varnothing 10$	240	8- $\varnothing 22$	14	150	11.8
200	8"	165	234	283.5	63	32	F10	125	102	4- $\varnothing 12$	295	8- $\varnothing 22$	17	300	19.8
250	10"	194	273	340	76	45	F10	125	102	4- $\varnothing 12$	355	12- $\varnothing 22$	22	400	28
300	12"	224	302	396	81	45	F10	125	102	4- $\varnothing 12$	410	12- $\varnothing 22$	22	550	42.6

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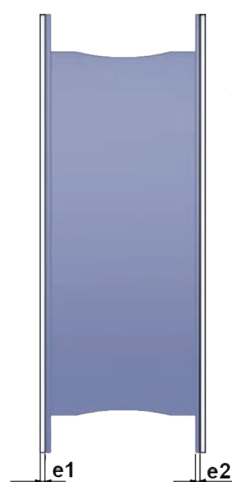
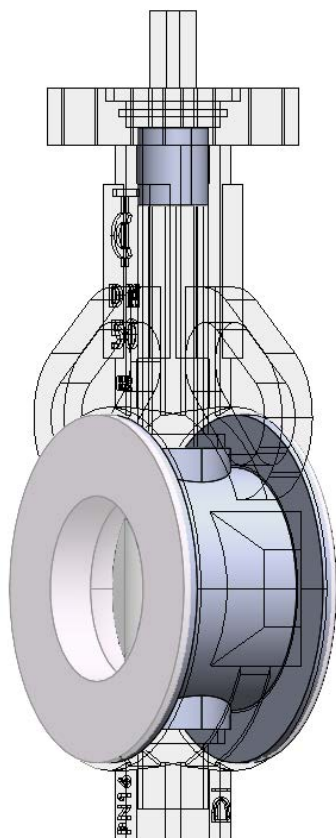


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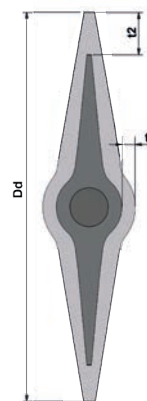
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DIMENSIONS



SLEEVE



DISC

DN		PTFE thickness e1	Viton thickness e2	Minimum thickness t1	Maximum thickness t2	Dd	Maximum possible vacuum (kPa)	KVs (m³/h)
mm	inch							
125	5"	2.4	2.6	5.5 ± 0.5	13 ± 0.5	125.4	30	1000
150	6"	2.4	2.6	6 ± 0.5	14 ± 0.5	152.7	30	1500
200	8"	2.4	2.6	6.5 ± 0.5	16 ± 0.5	196.4	20	3000
250	10"	3	3	7 ± 0.5	17 ± 0.5	245.4	10	5200
300	12"	3	3	7.5 ± 0.5	17 ± 0.5	296.4	10	8180

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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