

BUTTERFLY VALVE TECFLON WITH GEARBOX

TECHNICAL PASSPORT

BUTTERFLY VALVE TECFLON- DUCTILE IRON BODY WITH GEARBOX - BETWEEN FLANGES PN10/16

VP4449A-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

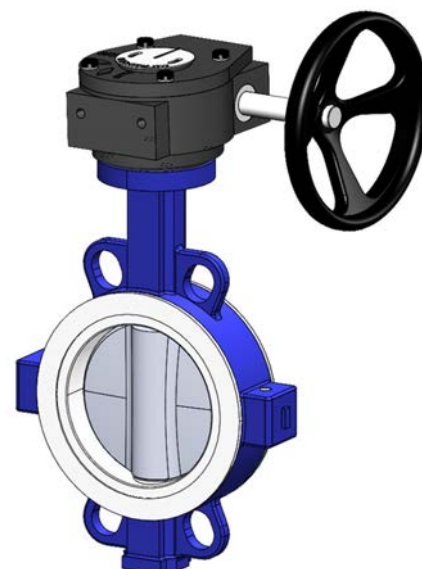
Range: from DN125 to DN600.

- Type with smooth 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	Écartement suivant la norme EN558-1.
Connection	Mounting between flanges according to EN1092-2, BS450, AISI B16.1-5. : - ISO PN10/16 from DN125 to DN150 - PN16 from DN200 to DN600. - Adjustable between flanges ASME B16.5 Class 150 from DN125 to DN300
Tests	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: -Body: 24 bar -Seat: 17.6 bar

PRODUCT APPROVALS



Tecofi France

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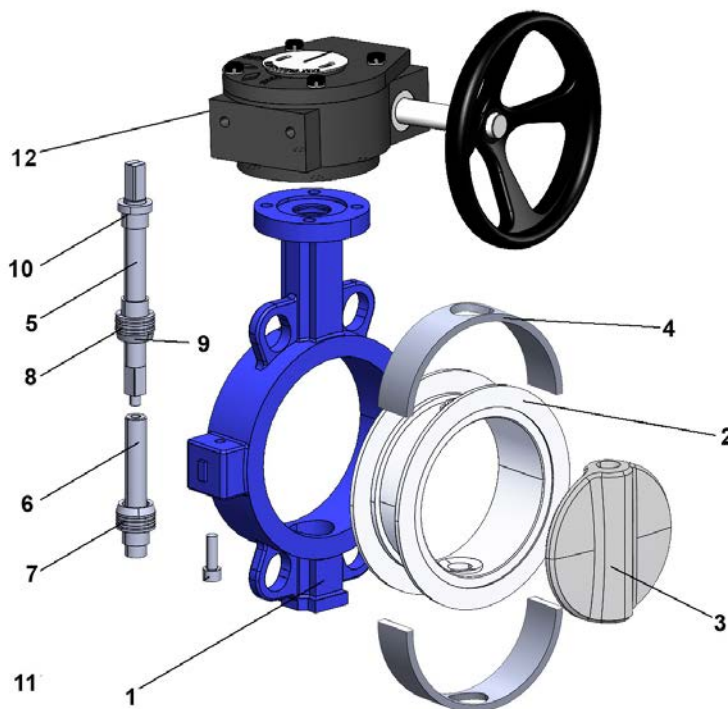


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CONSTRUCTION DN125-300



Oven backed epoxy coated body RAL 5015 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	Sleeve	PTFE + FPM (Viton®)			
3	Disc	Stainless steel CF8M			
4	Seat energizer	Viton			
5	Up shaft	Stainless steel 410			
6	Down shaft	Stainless steel 410			
7	Bushing	PTFE			
8	Bushing	PTFE			
9	Support	Stainless steel			
10	Bushing	PTFE			
11	Screw	Stainless steel			
12	Handle	Ductile iron			

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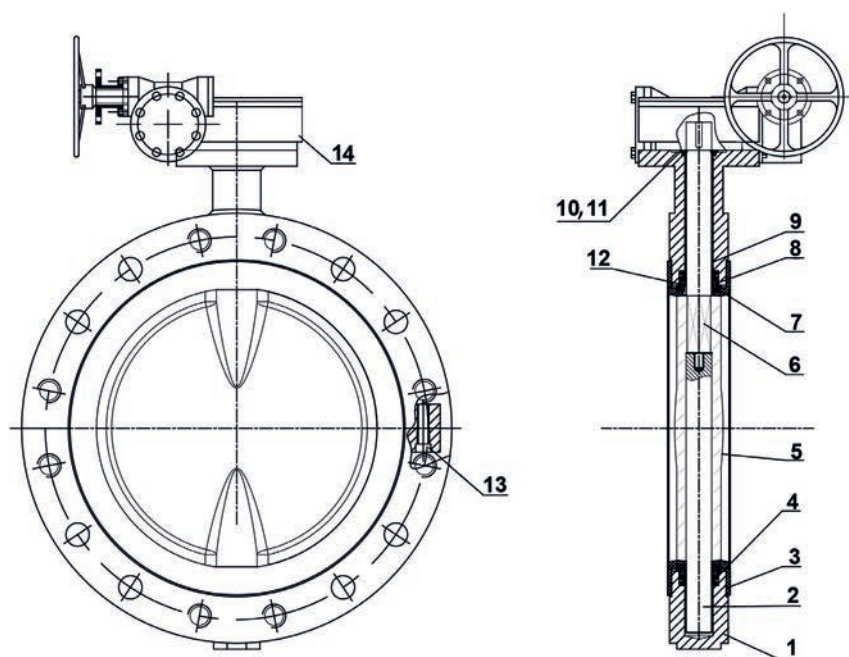


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CONSTRUCTION DN350-600



Oven backed epoxy coated body RAL 5015 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	Down shaft	Stainless steel 431			
3	Sleeve	PTFE			
4	Spring	Stainless steel			
5	Disc	Stainless steel CF8M			
6	Up shaft	Stainless steel 410			
7	Seat energizer	(Viton®)			
8	Support	Stainless steel			
9	Bushing	PTFE			
10	Screw	Stainless steel A2			
11	Snap gauge	Steel			
12	O ring	NBR			
13	Screw	Stainless steel A2			
14	Gearbox	Ductile iron			

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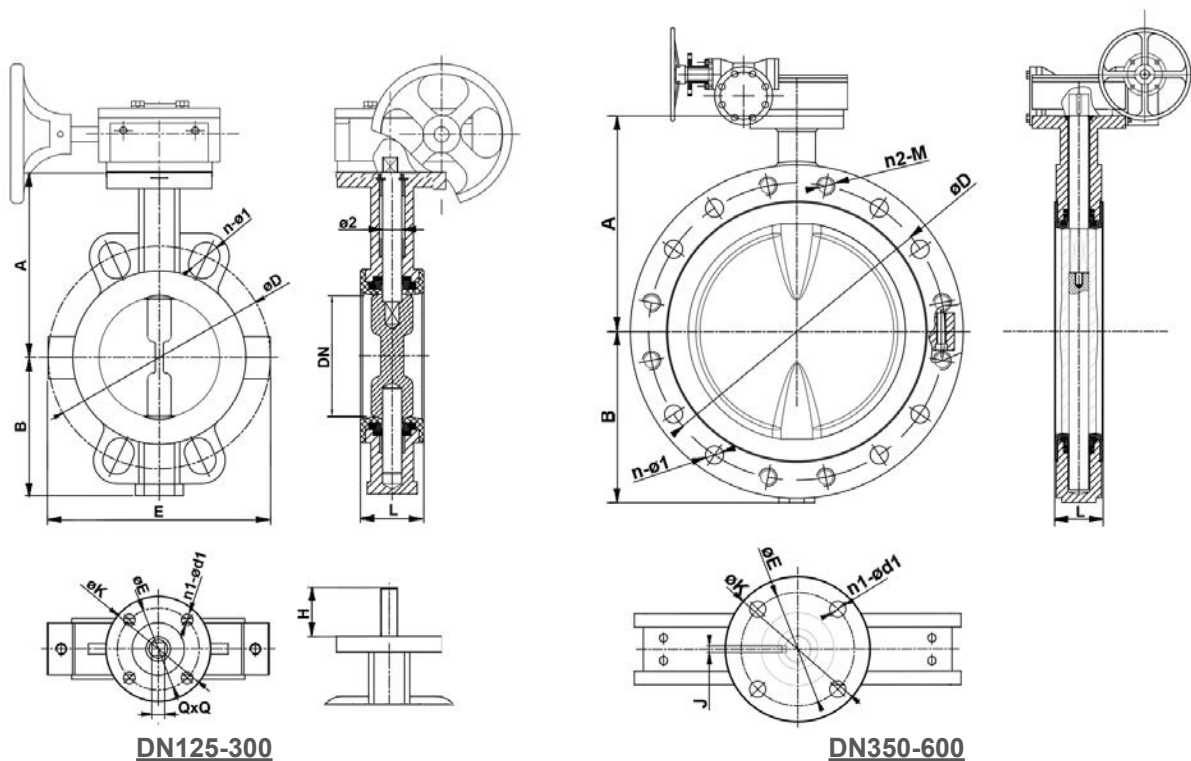


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DIMENSIONS



DN		A	B	L	Ø2	H	ISO plate				ØD	n-Ø1	n2-M	J	Q	Torque* Nm	Weight (kg)
mm	inch						ISO	ØE	ØK	n1-Ød1							
125	5"	190	131	56	18.92	17	F07	70	90	4-10	210	4-Ø19	-	-	14	93	11,50
150	6"	200	145	56	18.92	17	F07	70	90	4-10	240	4-Ø19	-	-	14	145	10,88
200	8"	240	173	60	22.10	22	F10	102	125	4-12	295	4-Ø19	-	-	17	290	19,24
250	10"	273	208	68	28.45	22	F10	102	125	4-12	355	8-Ø19	-	-	22	422	27,10
300	12"	310	244	78	31.60	22	F10	102	125	4-12	410	8-Ø19	-	-	22	588	39,26
350	14"	346	260	78	-	22	F14	140	175	4-18	470	16-Ø28	-	8	-	793	52,40
400	16"	375	290	102	-	36	F14	140	175	4-18	525	16-Ø31	-	10	-	1157	119,80
450	18"	406	325	114	-	36	F14	140	175	4-18	585	20-Ø31	-	10	-	1612	132,00
500	20"	438	360	127	-	36	F14	140	175	4-18	650	12-Ø34	8-M30	14	-	2171	201,50
600	24"	495	422	154	-	46	F16	165	210	4-22	770	12-Ø27	8-M33	16	-	3328	265,00

* Value without safety factor, obtained under 16 bar of differential pressure for DN125-300 and 10 bar for DN350-600

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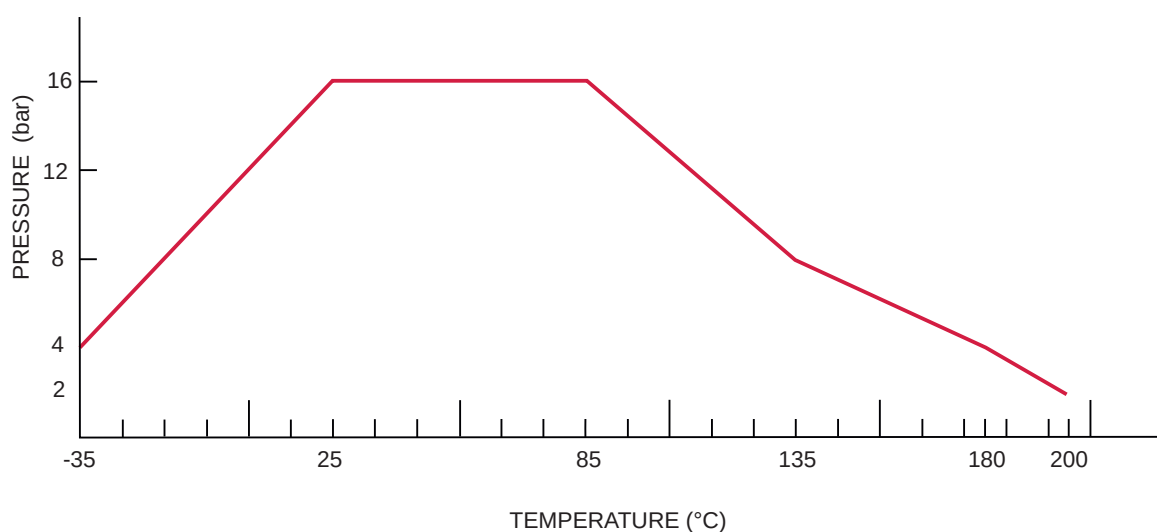
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WORKING CONDITIONS

Maximum working pressure : 16 bar
Maximum working temperature : -20°C / +190°C

PTFE : PRESSURE TEMPERATURE GRAPHS



Flow factor - Kv (m³/h)

DN		Opening angle								
mm	inch	10°	20°	30°	40°	50°	60°	70°	80°	90°
125	5"	0,6	22	45	97	173	287	454	682	749
150	6"	1	33	70	150	268	443	702	1053	1157
200	8"	2	66	138	299	533	881	1395	2091	2298
250	10"	3	110	234	509	906	1500	2374	3560	3913
300	12"	4	172	363	785	1400	2317	3667	5501	6046
350	14"	5	247	524	1135	2023	3347	5298	7946	8732
400	16"	6	340	721	1561	2782	4603	7285	10928	12009
450	18"	8	451	954	2068	3684	6097	9649	14473	15904
500	20"	10	711	1227	2659	4737	7839	12406	18609	20450
600	24"	16	896	1896	4107	7320	12111	19166	28751	31594

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