FLANGED BUTTERFLY VALVE

TECHNICAL PASSPORT

VP 4549A-02

BUTTERFLY VALVE WITH HANDLE
FLANGED MODEL TECFLY
DUCTILE IRON BODY

APPLICATION

The VP butterfly valves are intended to be used in ON/OFF mode or regulation in the fluid transfer circuits.

Area of use: water treatment, pumping irrigation.

Fluids: cold water, hot water, waste water, liquid discharges, alkalis, sodium hydroxide, etc.

GENERAL CHARACTERISTICS

Range: from DN50 to DN300.
Design according to NF EN 593.
Sleeve ensuring tightness in both directions.
Crossing stem. Profiled and reduced thickness disc ensuring a reduced operating torque.
Standardized mounting plate according to ISO 5211.

WORKING CONDITIONS

Maximum working pressure : 16 bar
Maximum working temperature : -15°C / +130°C
Peak temperature: -30°C / +150°C

STANDARDS

Design	Manufacture according to the requirements of the European directive n° 2014/68/UE «Equipment under pressure» : modulate H.
Face to face	Face to face dimensions according to NF EN 558-1 series 20, ISO 5752 series 20, DIN 3202.
Connection	Flanged type ISO PN10/16 (DN50-150) and PN16 (DN200-300) according to EN1092-2.
Tests	Pressure test according to standards EN12266-1, DIN 3230, BS 5154 and ISO 5208: -Body : 24 bar -Seat : 17.6 bar

PRODUCT APPROVALS

CE EAC

The photographs and technical art works are not contractual. The specifications of the presented products are open to modifications without previous advice

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ISO 9001
ISO 14001
BUREAU VERITAS Certification

VP4549A-02_EN // Réalisé le 30/10/2024 // Version B

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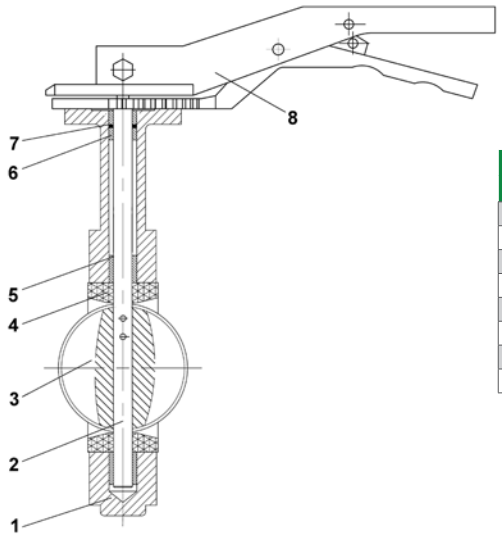
CONSTRUCTION



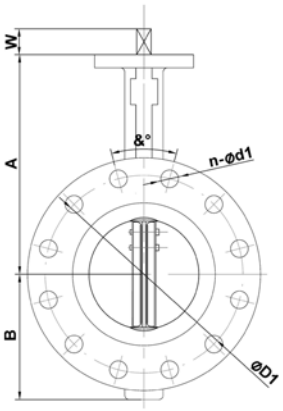
Pos.	Q-ty	Description	Material	Equivalences		
				DIN	ASTM	BS
1	1	Body	Ductile iron EN-GJS-400	GGG40	A536 65-45-12	EN-JS1030
4	1	Stem	Stainless steel 410	X12Cr13		
2	1	Disc	Stainless steel CF8M	G-X6CrNiMo18 10	A 351 Grade CF8M	1504 316 C16
3	1	Sleeve	Heat EPDM			
5	2	Bushing	FRP			
6	2	Bushing	FRP			
7	1	O ring	NBR			
8	1	Handle	Ductile iron			

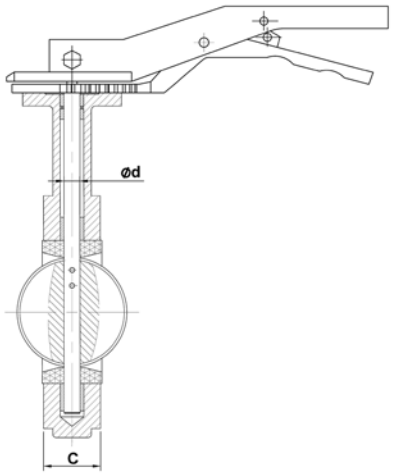
Component	Coating
Body	Epoxy powder RAL 5015 250 microns

Anticorrosion protection system:

The valve body is coated with a paint system corresponding to a C5 – Medium durability (C5M) classification, in accordance with the principles of NF EN ISO 12944.

DIMENSIONS





DN		A	B	C	Ød	ISO	ØK	ØE	n1-Ød2	ØD1	n-Ød1	&°	H	W	Torque, Nm			Weight (kg)
mm	inch														0-5 bar	10 bar	16 bar	
50	2"	161	83	42	12.6	F05	65	50	4-Ø7	125	4-Ø19	90	9	32	9	11	12	5.39
65	2"1/2	175	93	44.7	12.6	F05	65	50	4-Ø7	145	4-Ø19	90	9	32	15	18	20	5.69
80	3"	181	100	45.2	12.6	F05	65	50	4-Ø7	160	8-Ø19	45	9	32	22	25	30	6.91
100	4"	200	112	52.1	15.8	F07	90	70	4-Ø10	180	8-Ø19	45	11	32	39	43	50	9.79
125	5"	213	125	54.4	18.9	F07	90	70	4-Ø10	210	8-Ø19	45	14	32	60	67	77	11.09
150	6"	226	145	55.8	18.9	F07	90	70	4-Ø10	240	8-Ø23	45	14	32	94	110	121	13.69
200	8"	260	173	60.6	22.1	F10	125	102	4-Ø12	295	12-Ø23	45	17	45	165	201	242	19.70
250	10"	292	203	65.6	28.5	F10	125	102	4-Ø12	350	12-Ø28	30	22	45	253	310	352	31.90
300	12"	337	242	76.9	31.6	F10	125	102	4-Ø12	400	12-Ø28	30	22	45	352	473	490	51.50

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