

BUTTERFLY VALVE WITH HANDLE

TECHNICAL PASSPORT

**BUTTERFLY VALVE - DUCTILE IRON BODY
WITH HANDLE - LUGGED**

VPG4638-02

APPLICATION

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

Area of use

Area of use: water supply, water treatment, pumping, irrigation, industry, HVAC.



Fluids

Cold water, hot water, wastewater, liquid discharges, etc.

Contraindications

Use on steam is strongly discouraged.



GENERAL CHARACTERISTICS

Range: from DN40 to DN300.

- Design according to standard NF EN 593.
- Removable type with threaded lugs
- Sealing in both directions of piping circulation.
- One-piece, padlockable handle: notched sector ensuring 10 handle adjustment positions
- Body coated with epoxy paint protection against corrosion
- Raised neck compatible with pipe insulation
- Soft sleeve insures a perfect seal.
- Disc profiled and reduced in thickness
- Low operating torque.
- Stem in two parts couples to the disc using a square.
- Reduced head losses.
- Standardized ISO 5211 upper flange for easy assembly of actuators.

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 according to standards NF EN 558-1 serie 20, ISO 5752 serie 20, DIN 3202.
Connection	Mounting with flanges : ASME B16.5 CLASS 150, ISO PN20.
Tests	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: -Body: 30 bar -Seat: 22 bar

PRODUCT APPROVALS

CE **ERC**  on request

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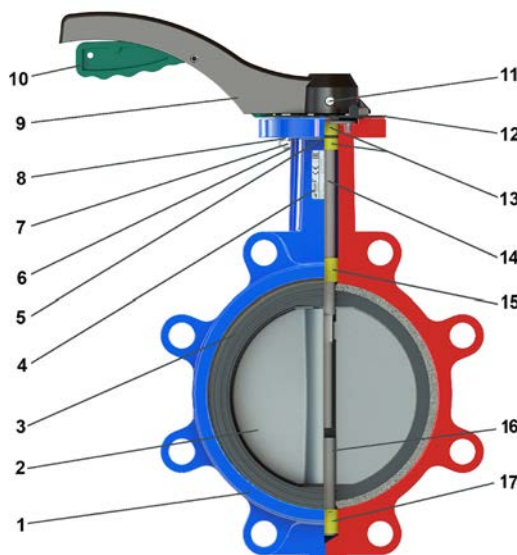


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CONSTRUCTION



Pos.	Q-ty	Description	Material	Equivalences			Epoxy coating
				DIN	ASTM	BS	
1	1	Body	Ductile iron EN-GJS-400-15	GGG40	A536 65-45-12	EN-JS1030	RAL 5015, 250 µm
2	1	Disc	Ductile iron EN-GJS-400-15 + Nickel	GGG40	A536 65-45-12	EN-JS1030	
3	1	Sleeve	Heat EPDM				
4	1	Nameplate	Stainless steel 304	X5CrNi 18 10	A 182 AISI 304	1449-2 304 S15	
5	1	O ring	EPDM				
6	2	Screw	Stainless steel 316/A4	X5CrNiMo 18 10	A 182 AISI 316	1449-2 316 S16	
7	2	Nut	Stainless steel 316/A4	X5CrNiMo 18 10	A 182 AISI 316	1449-2 316 S16	
8	2	Washer	Stainless steel 316/A4	X5CrNiMo 18 10	A 182 AISI 316	1449-2 316 S16	
9	1	Handle	Aluminium				Dark black RAL 9005
10	1	Trigger	Aluminium				Green RAL 6024
11	1	Set screw	Stainless steel 316/A4	X5CrNiMo 18 10	A 182 AISI 316	1449-2 316 S16	
12	1	Notched sector	Steel				Dark black RAL 9005 Kanigen coating
13	2	Upper bushing	PTFE				
14	1	Upper stem	Stainless steel 420	X20Cr13	A276 AISI 420	970-1 420S37	
15	1	Bushing	PTFE				
16	1	Lower stem	Stainless steel 420	X20Cr13	A276 AISI 420	970-1 420S37	
17	1	Lower bushing	PTFE				

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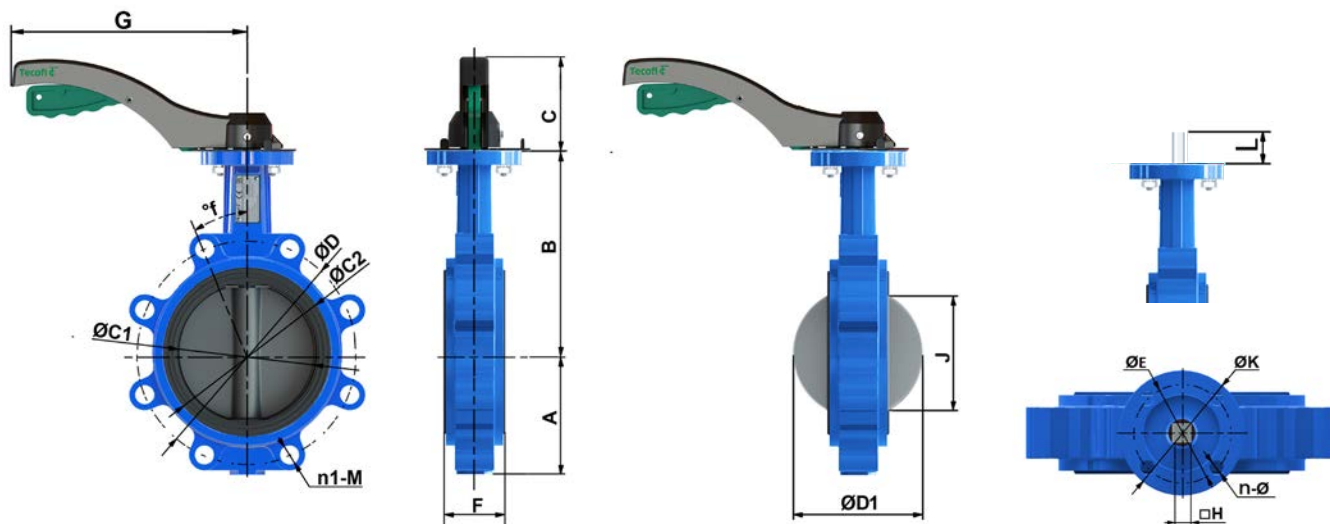


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DIMENSIONS



DN		A	B	C	ØC1	ØC2	ØD	ØD1	n1-M	f°	F	J	G	ØE	ØK	n-Ø	ØH	L	Weight (kg)
mm	inch																		
40	1 1/4	60	120	75	88	71	98.4	43	4-M5/8"	45°	33	29	170	50	65	4-Ø7	9	26	1.27
50	2"	60	128	78	93	75	120.7	53	4-M3/4"	45°	43	31	170	50	65	4-Ø7	9	26	1.82
65	2 1/2	72.5	140	78	110	92	139.7	65	4-M3/4"	45°	45	46	170	50	65	4-Ø7	9	26	1.99
80	3"	91	148	78	123	105	152.4	79	4-M3/4"	45°	46	64	170	50	65	4-Ø7	9	26	2.67
100	4"	108	165	78	156	134	190.5	105	4-M3/4"	22.5°	52	91	170	50	65	4-Ø10	11	26	3.86
125	5"	121	175	98	183	158	215.9	124	4-M7/8"	22.5°	54.4	111	215	70	90	4-Ø10	14	28	5.73
150	6"	131	199	98	211	187	241.3	155	4-M7/8"	22.5°	56	144	215	70	90	4-Ø10	14	28	6.79
200	8"	163	220	93	264	236	298.5	203	4-M7/8"	22.5°	60	194	350	102	125	4-Ø12	17	36	11.48
250	10"	198	251	93	329	291	362	251	4-M1"	15°	66	242	350	102	125	4-Ø12	22	38	17.88
300	12"	231	288	109	385	342	431.8	302	4-M1"	15°	77	292	500	102	125	4-Ø12	22	38	27.98

WORKING CONDITIONS

Maximum working pressure: 20 bar

(6 bar for compressed air)

Maximum vacuum pressure: -0.8 bar for 10 minutes

(vacuum tests performed in laboratory, valve tested open at -0.8 bar for 10 minutes)

Maximum working temperature: -20°C / +130°C

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