



WELLVALVE

WBV71X
Wafer butterfly valve

APPLICATION

WBV71X Butterfly valves are intended for ON/OFF or control use in fluid transfer circuits.

Area of

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 DN50 to DN300.
- Design according to standard NF EN 593.
- Removable wafer type with smooth centering 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

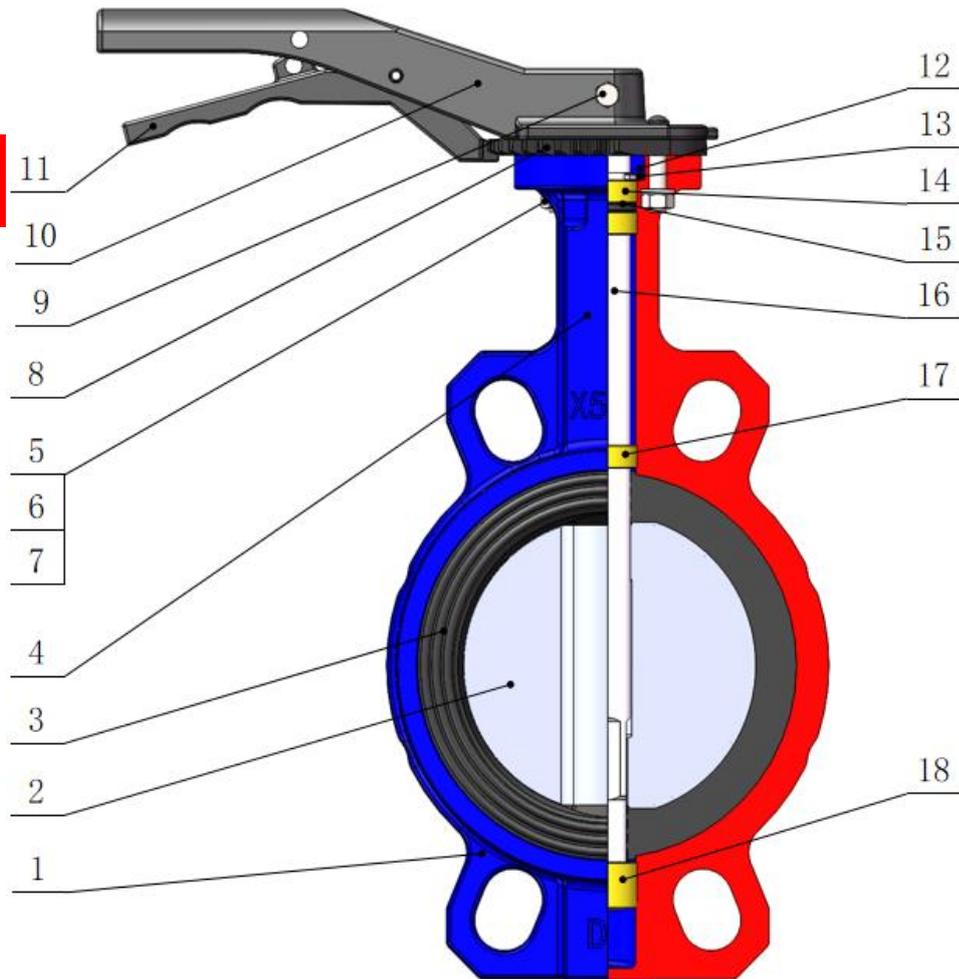
Design	Manufacture according to the requirements of the European directive 2014/68/UE «Equipment under pressure»: modulate H.
Face to face	Face to face according to standards NF EN 558-1 serie 20, ISO 5752 serie 20, DIN 3202
Connection*	Mounting between flanges ISO PN10/16 according to EN1092-1 and GOST PN10/16. Adjustable between flanges ASME B16.5 Class 150 (ISO PN20) / EN 1092-2
Tests	Pressure test according to standards EN12266-1, DIN 3230 and ISO 5208: Body: 24 bar Seat: 17.6 bar



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CONSTRUCTION



Pos.	Q-ty	Description	Material	Equivalences			Epoxy coating
				DIN	ASTM	BS	
1	1	Body	Ductile iron EN-GJS-500-7	GGG50	A536 65-50-7	EN-JS1050	RAL5005,250µm
2	1	Disc	Ductile iron EN-GJS-500-7	GGG50	A536 65-50-7	EN-JS1050	
3	1	Sleeve	EPDM / NBR				
4	1	Nameplate	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	
5	1	Screw	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	
6	2	Nut	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	
7	2	Washer	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	
8	2	Notched sector	Polyamide-imide PAI				
9	1	Set screw	Stainless steel 316/A4	X5CrNiMo 17.12.2			
10	1	Handle	Ductile iron EN-GJS-500-7	GGG50	A536 65-50-7	EN-JS1050	Dark black RAL9005
11	1	Trigger	Ductile iron EN-GJS-500-7	GGG50	A536 65-50-7	EN-JS1050	Dark black RAL9005
12	1	Spring clip	Carbon spring steel	DIN471			
13	1	Gsket	Stainless steel 304/A2	X5CrNi 18 10	A182 AISI 304	1449-2-304 S15	
14	2	Upper bushing	PTFE				
15	1	O ring	EPDM				
16	1	Stem	Stainless steel 420	X20Cr13	A276 AISI 420	970-1 420S37	
17	1	Upper bushing	PTFE				
18	1	Upper bushing	PTFE				

WELLVALVE China

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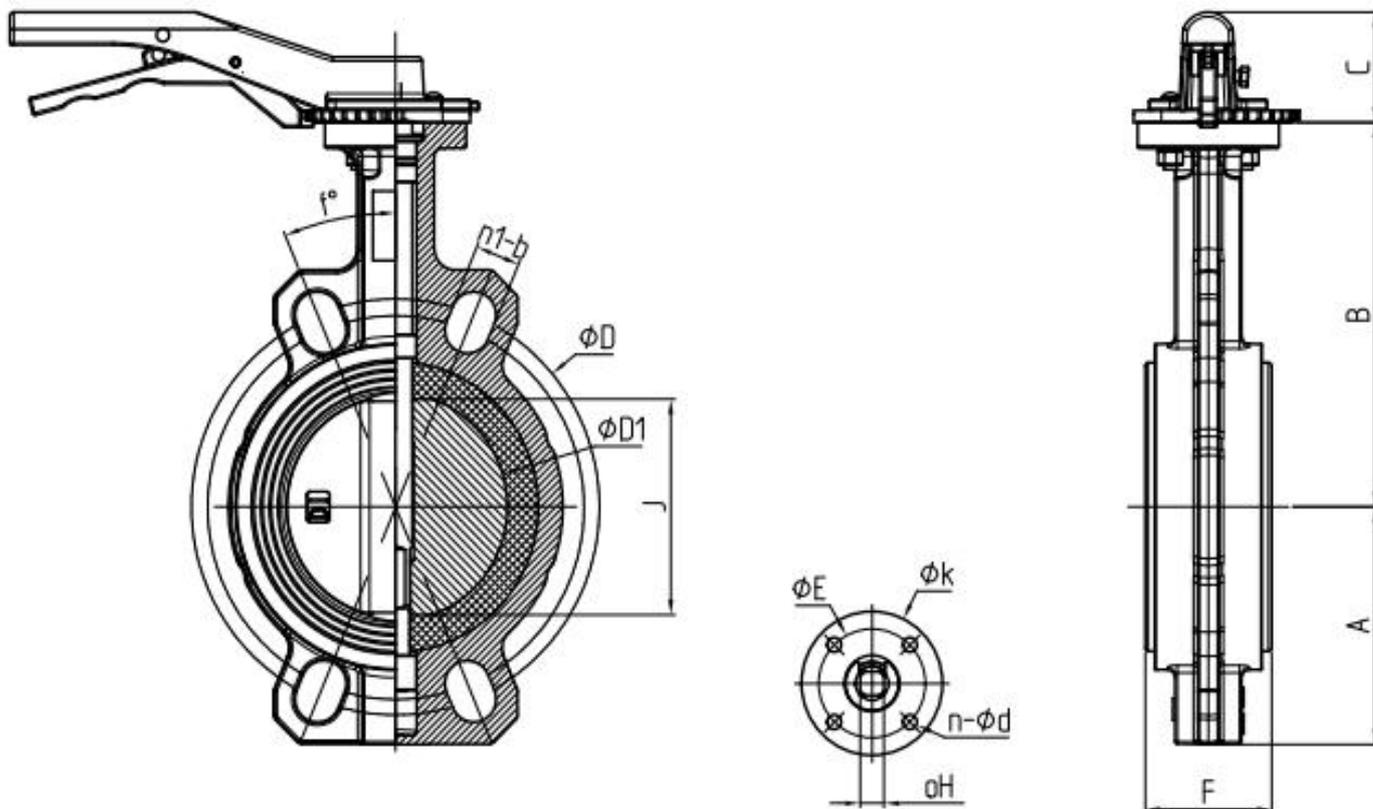
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DIMENSIONS



Structure

DN	A	B	C	ØD	ØD1	n1-b	f°	ØE	F	ØK	n-Ø	G	øH	Torque (Mu)	Weight (Kg)
mm															
50	60	128	78	125	53	4-19	45°	50	43	65	4-Ø8	170	9	16	2
65	72.5	140	78	145	65				45					17	2.6
80	91	148	78	160	79				45					24	2.9
100	108	165	78	180	105	4-20	22.5°	70	52	90	4-Ø8	215	11	41	3.8
125	121	175	98	210	124				56				14	63	5.8
150	131	199	98	240	155	4-23	15/22.5	70	56	90	4-Ø8	215	17	102	7.2
200	163	220	93	295	203				60				190	13.6	
250	198	251	93	350/355	251	4-28	15°	102	68	125	4-Ø12	350	22	315	19.2
300	231	288	109	400/410	302				78					500	480

* Torque values without safety factor

WORKING CONDITIONS

Maximum working pressure: 16 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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