

BUTTERFLY VALVE

1 CHARACTERISTICS AND BENEFITS

- Soft sealing centric valve
- Wafer type body with a metal disc
- For closing and regulating liquid and gaseous media
- Ensured suitability for potable water and food-processing industry
- Wide range of application
- Excellent flow characteristics
- Prepared for diverse drive possibilities
- DN50-100 with lever in basic equipment
- No additional seals between pipe flanges needed
- Epoxy powder coating in RAL 5005

2 STANDARDS

- Strength calculated acc. to EN 12516-2
- Body material acc. to EN 1563
- Disc material acc. to EN10283 (stainless steel)
- Installation length acc. to EN 558-1, series 20
- Marking EN 19
- Top flange connection for actuator acc. to EN ISO 5211/1
- Final strength and tightness test acc. to EN 12266-1
- Corrosion protection acc. to DIN 30677-2 and EN 14901
- Sealing elements for drinking water acc. to EN 681
- Microbiological suitability acc. to EN 16421 (W270)
- Acc. to the EU Pressure Equipment Directive 2014/68/EU

3 APPROVALS

- UBA, W270, ACS WRAS, Belgaqua for EPDM sealing elements and Epoxy coating
- GSK – RAL-GZ 662/2 for corrosion protection
- EAC for the Russian market
- EMI for the Hungarian market
- VIK for the Croatian market
- Conformity for potable water acc. to the DM 174 for the Italian market
- Conformity for the Ukrainian market

ART. 120 PW

DN 25–600

PN 6/10/16



ON DEMAND

POSSIBLE ADDITIONS

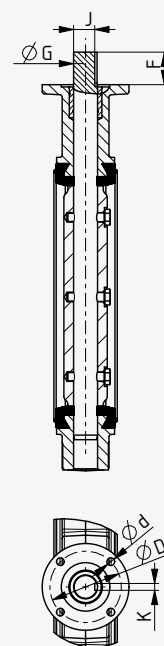
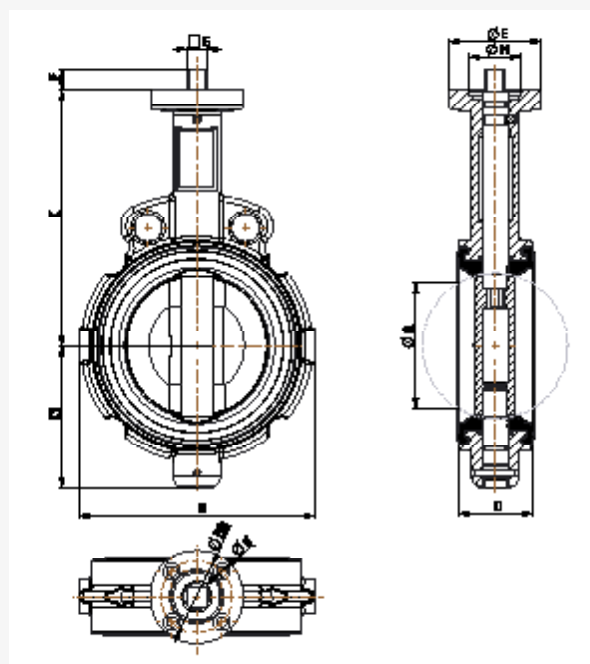
- Diverse actuators: hand lever, manual worm gear, pneumatic or electric actuator
- Switches for end position

SPARE PARTS

- Seat
- Disc

PN	16
Max. operating pressure [bar]	16
Max. operating temperature [°C]	50
Shell strength and tightness: test with water; rate A [bar]	24
Sealing element tightness: test with water; rate A [bar]	17,6

TECHNICAL DRAWINGS

SHAFT
DN 350-600

DATA

DN		25	32	40	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Dimensions [mm]	C	116	116	116	156	163	171	181	197	210	261	286	309	305	329	368	403	495
	C1	38	38	38	75	82	90	100	112	125	155	180	212	248	280	328	350	432
	D	33	33	33	43	46	46	52	56	56	60	68	78	76	101,6	108	127	150
	B	113	113	113	109	129	144	164	194	220	275	330	380	429	489	546	600	692
	Q	18	18	18	31	46	62	90	116	135	189	239	288	328	373	424		570
	E	65	65	65	65	65	65	65	100	100	150	150	150	152	152	203	203	203
Flange [mm]	M	36	36	36	36	36	36	36	55	55	70	70	70	85	85	---	130	---
	Dk	50	50	50	50	50	50	50	70	70	102	102	102	125	125	165	165	165
	d	7	7	7	7	7	7	7	9	9	11	11	11	13,5	13,5	21	21	21
	ISO	F 05	F 05	F 05	F 05	F 05	F 05	F 05	F 07	F 07	F 10	F 10	F 12	F 12	F 12	F 16	F 16	F 16
Shaft [mm]	F	14	14	14	14	14	14	14	17	17	22	22	27	50	60	57	65	90
	G	11	11	11	14	14	14	14	17	17	22	22	27	30	42	48	48	60
	J	---	---	---	---	---	---	---	---	---	18,5	26	26	26	37,1	42,5	42,5	53,2
	K	---	---	---	---	---	---	---	---	---	6	8	8	8	12	14	14	18
Weight [kg]		1,85	1,85	1,85	2,35	2,75	3,25	4,5	6,1	7,2	12	18,5	28,5	45	60	92		150

MATERIALS

BASIC VERSION

EPDM for potable water

Body	EN GJS-400-15 (GGG-40)
Body seat	EPDM certified
Disc	Stainless steel W.Nr. 1.4408
Shaft	Stainless steel W.Nr. 1.4301
Lever	PA6/EN GJS-400-15
Color coating RAL 5005	EKB min. 250 µm