

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
- 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
- Coloured in RAL 5005

2 STANDARDS

- Strength calculated acc. to EN 12516-2
- Body material acc. to EN 1563
- Disc material acc. to EN1563 (ductile iron) / 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
- Acc. to the EU Pressure Equipment Directive 2014/68/EU

3 APPROVALS

- EAC for the Russian market
- EMI for the Hungarian market
- VIK for the Croatian market
- Conformity for the Ukrainian market

ART. 120

DN 25–600

PN 6/10/16



ON DEMAND

POSSIBLE ADDITIONS

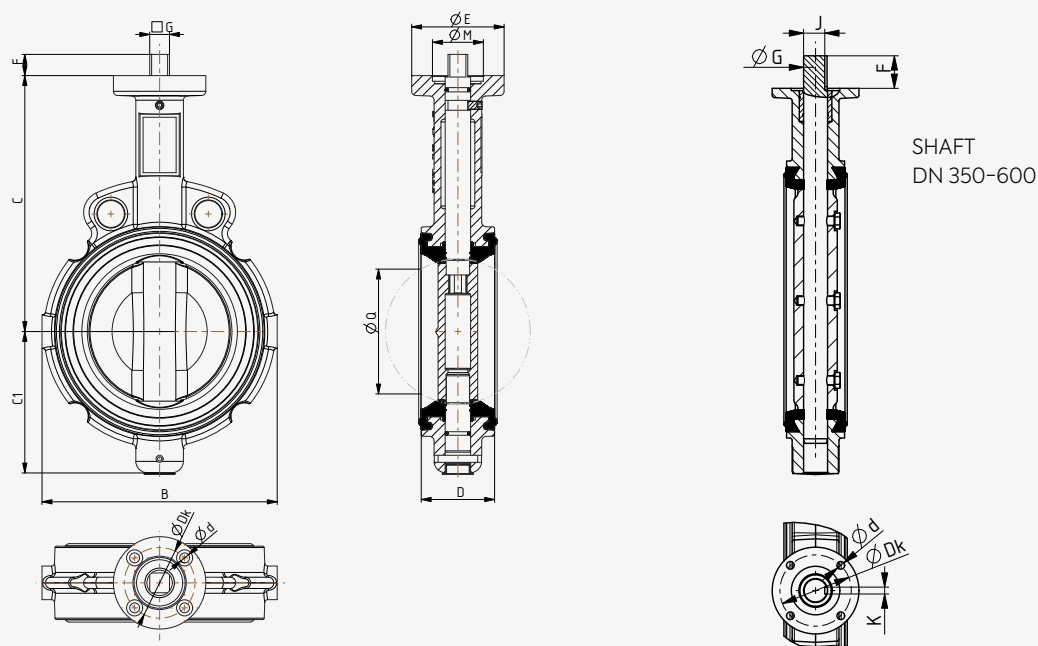
- Diverse actuators: hand lever, manual worm gear, pneumatic or electric actuator
- Switches for end position

SPARE PARTS

- Seat
- Disc

PN	16
Max. operating pressure [bar]	16
Max. operating temperature [°C]	120
Shell strength and tightness: test with water; rate A [bar]	24
Sealing element tightness: test with water; rate A [bar]	17,6

TECHNICAL DRAWINGS



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	SPECIAL VERSIONS ON DEMAND (differences from basic version)			
	EPDM for closed systems (heating,...)	Hot water	Medium with fat substances (also e.g. compressed air)	Liquid fuels & high temp. without steam	High temperatures & low pressure
Body	EN GJS-400-15 (GGG-40)				
Body seat	EPDM		NBR	Viton	Silicon
Disc	EN GJS-400-15 (GGG-40)	Stainless steel W.Nr. 1.4408	W.Nr. 1.4408	W.Nr. 1.4408	W.Nr. 1.4408
Shaft	Steel W.Nr. 1.0503	Stainless steel W.Nr. 1.4301	W.Nr. 1.4301	W.Nr. 1.4301	W.Nr. 1.4301
Lever	PA6/EN GJS-400-15				
Color coating	140 µm				