

# BUTTERFLY VALVE

## 1 CHARACTERISTICS AND BENEFITS

- Soft sealing centric valve
- LUG 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
- Useful as end valve up to  $\Delta P_{max} = 6$  bar
- Art. 126 standard valve with changeable seat
- Art. 125 with seal glued onto the body - can be used up to  $\Delta P_{max} = 25$  bar and also for vacuum up to  $p = -0,85$  bar
- No additional seals between pipe flanges needed
- Epoxy colour 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 Italian market
- Conformity for Ukrainian market

## ART. 125/126 PW

DN50–300 (126 also DN400)  
PN 6/10/16/25



### ON DEMAND

#### POSSIBLE ADDITIONS

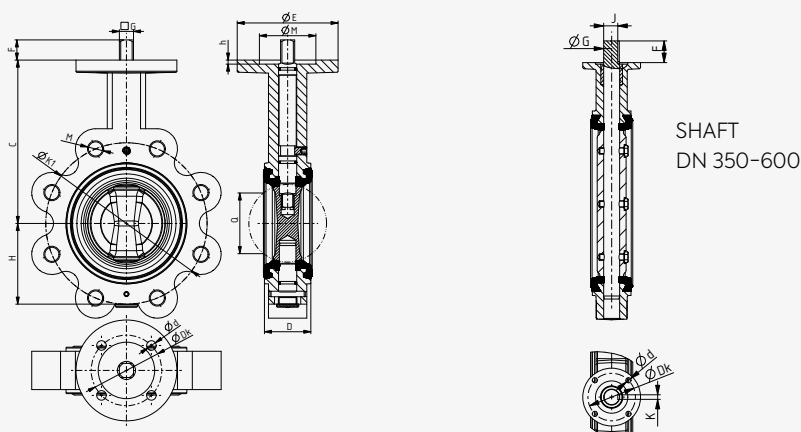
- Diverse actuators: hand lever, manual worm gear, pneumatic or electric actuator
- Switches for end position
- Telescopic extension spindle

#### SPARE PARTS

- Seat at Art. 126
- Disc

ART.	125	126
PN	25	16
Max. operating pressure [bar]	25	16
Max. operating temperature [°C]	50	50
Shell strength and tightness: test with water; rate A [bar]	37,5	24
Sealing element tightness: test with water; rate A [bar]	27,5	17,6

## TECHNICAL DRAWINGS



## DATA

DN		50	60	65	80	100	125	150	200	250	300	400	
Dimensions	C	143	155	155	162	181	197	210	240	286	309	370	
	H	67	73	73	80	100	106	122	155	180	212	305	
	D	43	46	46	46	52	56	56	60	68	78	101,6	
	Q	31	46	46	62	90	116	135	189	239	288	373	
	E	100	100	100	100	100	100	100	150	150	150	152	
Flange	h	4	4	4	4	4	4	4	4	4	4	4	
	Dk	70	70	70	70	70	70	70	102	102	102	125	
	d	9	9	9	9	9	9	9	11	11	11	13,5	
	PN6	K1	110		130	150	170	200	225	280	335	395	495
		M	12		12	16	16	16	16	16	16	20	20
		n	4		4	4	4	8	8	8	12	12	16
	PN10	K1	125	135	145	160	180	210	240	295	350	400	515
		M	16	16	16	16	16	16	20	20	20	20	24
		n	4	4	4	8	8	8	8	8	12	12	16
	PN16	K1	125	135	145	160	180	210	240	295	355	410	525
		M	16	16	16	16	16	16	20	20	24	24	27
		n	4	4	4	8	8	8	8	12	12	12	16
	PN25	K1	125	135	145	160	190	220	250	310	370	430	---
		M	16	16	16	16	20	24	24	24	27	27	---
		n	4	8	8	8	8	8	8	12	12	16	---
ISO		F 05		F 05	F 05	F 05	F 07	F 07	F 10	F 10	F 12		
Shaft	F	19	19	19	19	19	21	21	25	25	30	60	
	G	14	14	14	14	14	17	17	22	22	27	42	
	J	---	---	---	---	---	---	---	---	---	---	37,1	
	K	---	---	---	---	---	---	---	---	---	---	12	
Weight [kg]		4	5	5	6,5	8,8	11,2	12,8	24,5	30	53	70	

\*For smaller DP differential pressures, the value of the closing torque can be reduced by approx. 60% - on demand - to be defined when ordering!

## 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