

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
- 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
- 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 Ukrainian market

ART. 125/126

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



ON DEMAND

POSSIBLE ADDITIONS

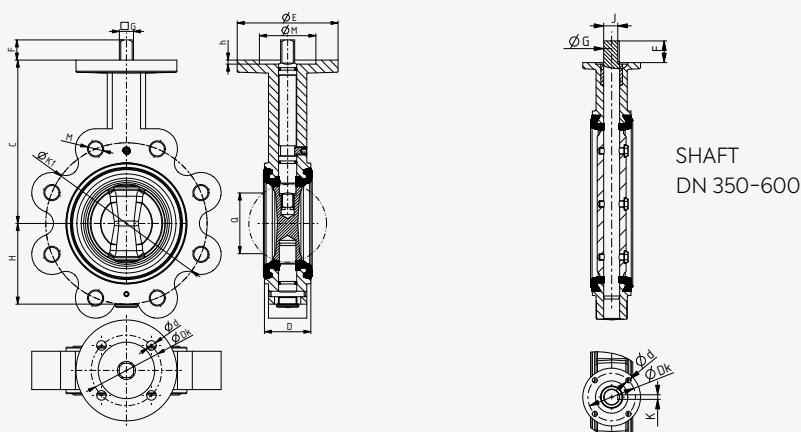
- Diverse actuators: hand lever, manual worm gear, pneumatic or electric actuator
- Switches for end position
- Telescopic extension spindle

SPARE PARTS

- Seat at Art. 126
- Disc

ART.	125	126
PN	25	16
Max. operating pressure [bar]	25	16
Max. operating temperature [°C]	120	20
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	SPECIAL VERSIONS ON DEMAND (differences from basic version)			
Body	EPDM for closed systems (heating,...)	Hot water	Medium with fat substances (also e.g. compressed air)	Liquid fuels & high temperatures without steam	High temperatures & low pressure
Body seat	EN GJS-400-15 (GGG-40)	EPDM	NBR	Viton	Silicon
Disc	EN GJS-400-15 (GGG-40)	Nerjavno jeklo W.Nr. 1.4408	W.Nr. 1.4408	W.Nr. 1.4408	W.Nr. 1.4408
Shaft	Steel W.Nr. 1.0503	Nerjavno jeklo W.Nr. 1.4301	W.Nr. 1.4301	W.Nr. 1.4301	W.Nr. 1.4301
Color coating	140 µm				