

## Knife gate valve interflange

PN10  
PN16

**SEWAGE**



Knife gate valve DN80

### Product description (standard execution):

- Bidirectional tightness
- Knife circumferential seal profile with steel insert
- Knife cleaning scrapers
- Ductile cast iron monolithic body EN-GJS 400-15
- Stainless steel 1.4021 spindle with rolled thread
- Low friction spindle bearing by plastic and brass plain washers
- Gland sealing – o-ring NBR and non-asbestos cord
- Wedge nut made of forged brass
- Epoxy coating minimum 250 microns according to EN 14901
- Stainless steel bolts and washers
- Product according to EN 1074-1, EN 1074-2; EN 1171
- Flange connection according to EN 1092-2 (DIN 2501) pressure PS2,5; PS6; PS10
- Face to face according to producer documentation
- Product marking according to EN 19; EN 1074

### Application:

Water and sewage networks and tanks; pulverized products, transport of non aggressive liquids.  
Working conditions:  
temp. up +70°C  
pressure up to 1,0 MPa

### Test control:

Hydraulic test according to EN 1074-1; EN 1074-2; EN 12266-1  
Seat: 1,1 xPN  
Body: 1,5 x PN  
Operation torque test.

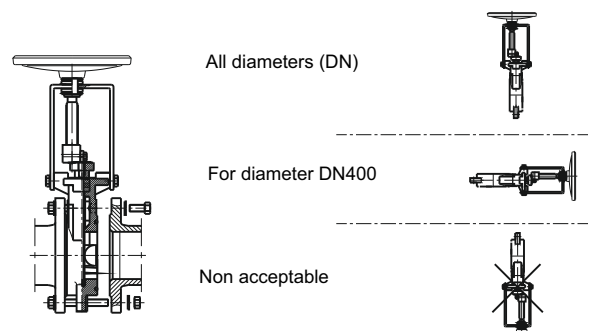
### Accessories:

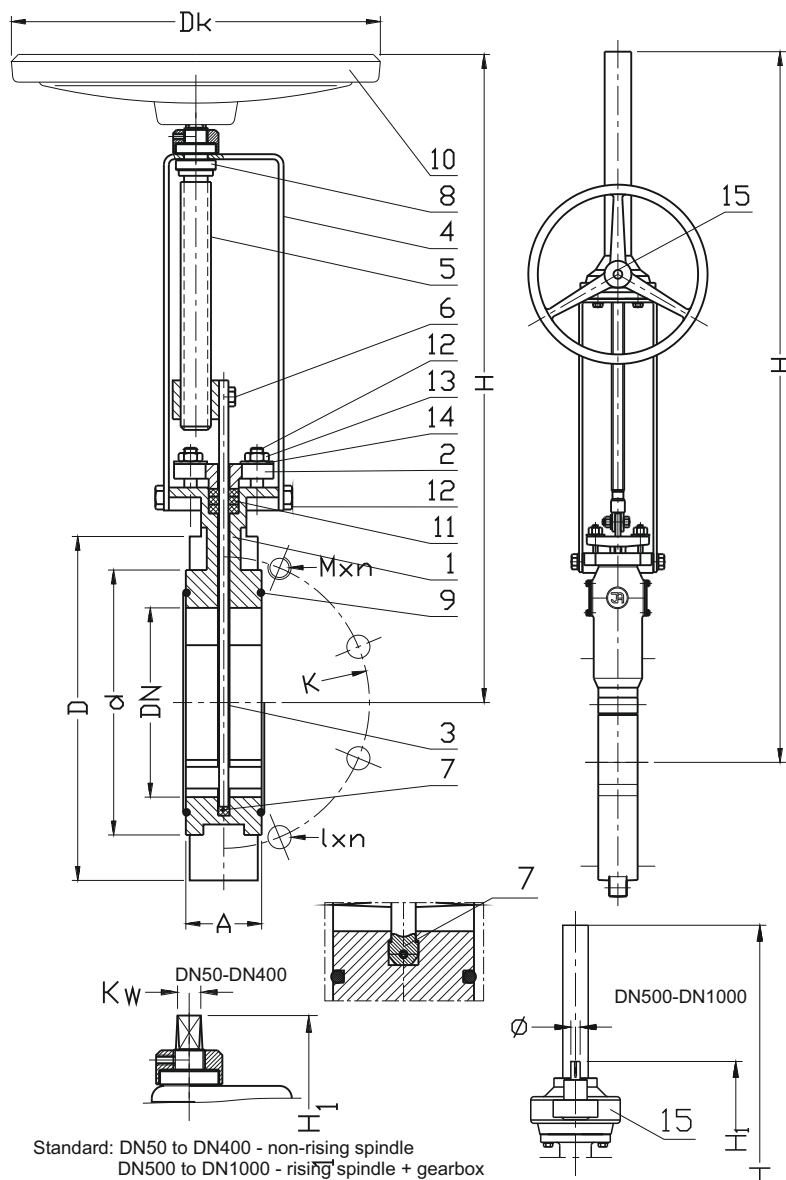
Extension spindle - see: 9010, 9011  
Extension spindle for linear gear - see: 9025  
Pillar with handwheel - see: 9113  
Pillar for electric actuator - see: 9114  
Street box - see: 9501

### Execution variant:

Under the casing, a rising stem, not rising + linear gear  
With Intersecting axis gear for >350  
Spindle made of stainless steel 1.4301 or duplex steel 1.4462  
With electric or pneumatic actuator - see: 2905  
With inductive sensors, with deflector

### Installation:





No	Part	Standard execution
1	Body	Ductil cast iron EN-GJS-400-15 EN 1563
2	Clamping plate	Ductil cast iron EN-GJS-400-15 EN 1563
3	Knife	Stainless steel 1.4301, 1.4404 (*) EN 10088-1
4	Pillar	Steel 1.0038 EN 10025-2
5	Spindle	Stainless steel 1.4021, 1.4301 (*), 1.4462 (*) EN 10088-1
6	Spindle nut	Brass CW617N, Bronze CW306G (*) EN 1412
7	Gasket	Rubber NBR EN-ISO 1629
8	Sliding bushing	Producer catalogue
9	Seal o-ring	Rubber NBR EN-ISO 1629
10	Handwheel	Grey iron EN-GJL-250, Steel 1.0038 EN 1561, EN 10025-1
11	Gland seal	PACKAGE: rubber NBR, EN-ISO 1629 + with non-asbestos cord
12	screw	Stainless steel A2, A4 (*) EN ISO 4014
13	Nut	Stainless steel A4 EN ISO 4032
14	Washer	Stainless steel A2 EN ISO 7091
15	Gearbox	Producer catalogue

(\*) -other material variants on special request

DN	PN	PS	K	D	d	Kw/Ø	l x n	M x n	A	H	H1	Dk	Kv	Number of turns to open	Weight
[mm]	[bar]								wg. rys.				[m³/h]		[kg]
50	10-16	10	125	165	99	Kw 12	-	M16x4	48	286	281	200	206	14	8
65	10-16	10	145	185	118	Kw 12	-	M16x4	48	317	315	200	309	18	10
80	10-16	10	160	200	132	Kw 14	Ø19x6	M16x2	52	335	333	200	494	22	11
100	10-16	10	180	220	156	Kw 14	Ø19x6	M16x2	52	370	363	250	927	27	13
125	10-16	10	210	250	184	Kw 14	Ø19x6	M16x2	56	420	420	250	1545	33	18
150	10-16	10	240	285	212	Kw 17	Ø23x6	M20x2	56	494	487	250	2060	32	21
200	10	10	295	340	266	Kw 17	Ø23x6	M20x2	70	575	568	320	4017	42	38
250	10	10	350	395	319	Kw 17	Ø23x8	M20x4	70	680	674	320	5665	52	52
300	10	10	400	445	370	Kw 17	Ø23x8	M20x4	76	794	780	320	8755	62	63
350	10	10	460	505	430	Kw 19	Ø23x10	M20x6	76	890	840	320	11640	72	83
400	10	10	515	565	480	Kw 24	Ø28x10	M24x6	86	990	980	450	15520	68	98
500	10	6	620	670	582	Ø30	Ø28x12	M24x8	114	1820	/1440/1280	630	22310	85	232
600	10	6	725	780	682	Ø30	Ø31x12	M27x8	114	2050	/1680/	630	33950	102	282
700	10	2,5	840	910	794	Ø30	Ø31x14	M27x10	165	2480	/1970/	630	48500	118	554
800	10	2,5	950	1015	901	Ø30	Ø34x14	M30x10	190	2800	/2240/	630	58200	116	680
900	10	2,5	1050	1115	1001	Ø30	Ø34x16	M30x12	203	3070	/2420/	815	77600	115	850
1000	10	2,5	1160	1230	1112	Ø30	Ø37x16	M33x12	216	3430	/2550/	815	97000	127	1150

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