

**Knife gate valve for underground instalations
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 1.4301 spindle with rolled thread
- Low friction spindle bearing by plastic and brass plain washers
- Total protection against outside dirt penetration
- 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

Execution variant:

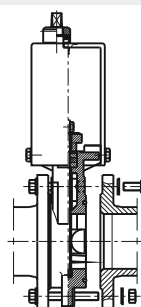
With non-rising and rising spindle + linear gear for >DN500
Spindle made of stainless steel 1.4301 or duplex steel 1.4462
With electric actuators - see: 2906
With deflector

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
Handwheel - see: 9301
Street box - see: 9501

Installation:


All diameters (DN)

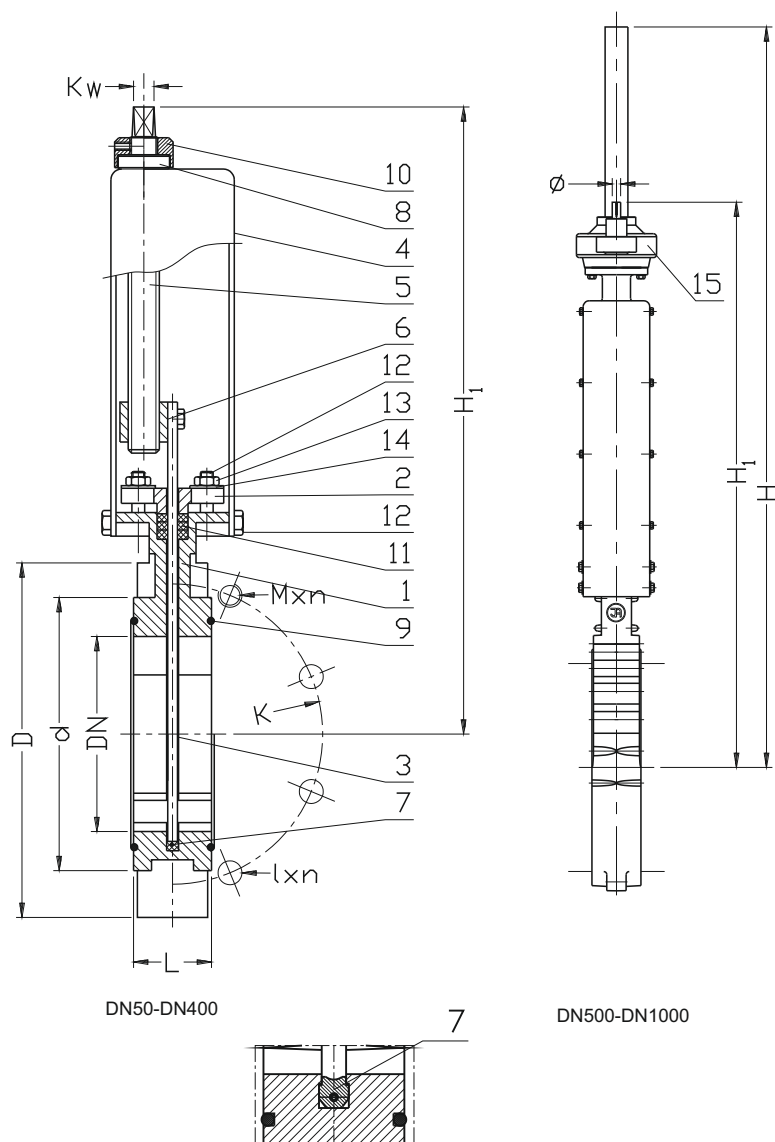


For diameter DN400



Non acceptable





No.	Part	Standard execution
1	Body	Ductile cast iron EN-GJS 400-15 EN 1560
2	Clamping Plate	Ductile cast iron EN-GJS 400-15 EN 1560
3	Knife	Stainless steel 1.4301, 1.4404(*) EN 10027-2
4	Pillar	Steel 1.0038 EN 10027-2
5	Spindle	Stainless steel 1.4301, 1.4404(*), 1.4462(*) EN 10027-2
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	Cover sleeve	Stainless steel 1.4021, 1.4301(*) EN 10027-2
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

Standard: DN50 to DN400 - non-rising spindle
DN500 to DN1000 - rising spindle + linear gear

DN	PN	PS	L	H	D	K	d	l x n	Kw/Ø	M x n	Turns for full open	Kv	Dk	Weight
[mm]	[bar]				[mm]			-	-	-	-	[m³/h]	[mm]	[kg]
50	10-16	10	48	281	165	125	99	-	Kw12	M16X4	14	206	200	10
65	10-16	10	48	315	185	145	118	-	Kw12	M16X4	18	309	200	12
80	10-16	10	52	333	200	160	132	Ø19x6	Kw14	M16X2	22	494	200	13
100	10-16	10	52	363	220	180	156	Ø19x6	Kw14	M16X2	27	927	250	16
125	10-16	10	56	420	250	210	184	Ø19x6	Kw14	M16X2	33	1545	250	22
150	10-16	10	56	487	285	240	211	Ø23x6	Kw17	M20X2	32	2060	250	27
200	10	10	70	568	340	295	266	Ø23x6	Kw17	M20X2	42	4017	320	47
250	10	10	70	674	395	350	319	Ø23x6	Kw17	M20X4	52	5665	320	60
300	10	10	76	780	445	400	370	Ø23x6	Kw17	M20X4	62	8755	320	74
350	10	10	76	840	505	460	430	Ø23x10	Kw19	M20X6	72	11640	320	90
400	10	10	86	980	565	515	480	Ø28x10	Kw24	M24X6	68	15520	450	106
500	10	6	114	(1820)1300	670	620	582	Ø28x12	Ø30	M24X8	85	22310	630	252
600	10	6	114	(2130)1480	780	725	682	Ø31x12	Ø30	M27X8	102	33950	630	300
700	10	2,5	165	(2495)	910	840	794	Ø31x14	Ø30	M27X10	118	48500	630	569
800	10	2,5	190	(2850)	1015	950	901	Ø34x14	Ø30	M30X10	116	58200	630	696
900	10	2,5	203	(3160)	1115	1050	1001	Ø34x16	Ø30	M30X12	115	77600	815	868
1000	10	2,5	216	(3428)	1230	1160	1112	Ø37x16	Ø30	M33X12	127	97000	815	1175