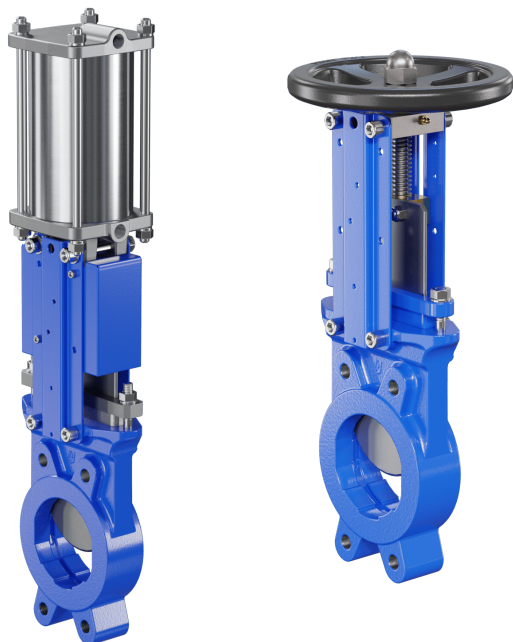


Knife gate valve TYPE SR01



Description:

Knife Gate Valve made of cast Iron bidirectional tightness design, is particularly suitable for applications, where the flow and / or pressure direction can change within the system.

Features:

- Bidirectional tightness
- Actuation with handwheel or double acting pneumatic actuation
- Version with pneumatic actuation suitable for indoor and outdoor installation

Size:

DN50 – DN400

Design:

Bidirectional tightness

Pressure:

Up to 10,0 bar - depending on design

Design:

Bidirectional tightness

Body:

DN50 – DN300: Cast iron EN GJL-250,
DN350 – DN500: Ductile iron EN GJS-400
50% epoxy 50% polyester RAL 5005 min. 150 µm thickness

Gate:

Stainless steel 1.4350 / AISI 304

Stem:

Stainless steel 1.4350 / AISI 304

Packing:

PTFE

Seat:

NBR or EPDM

Actuation:

Handwheel made of steel A3 with rising stem
Double acting pneumatic actuator
made of epoxy-coated carbon steel

Flange:

Acc. DIN EN 1092-2 PN10

Temperature:

EPDM handwheel -15°C up to +130°C / actuator 0°C bis + 110°C
NBR -10°C up to +90°C

Usage:

ATT: Temperature range not for all media.
Paper and pulp industry, power station technology etc.
Use not allowed on group 1 dangerous gas

Installation position:

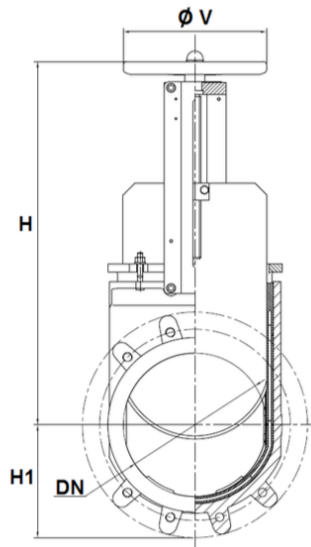
Preferably standing

Max. working pressure:

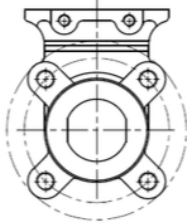
DN	50	65	80	100	125	150	200	250	300	350	400	450	500
in bar	10	10	10	10	10	10	10	8	6	4	4	3	3

Version with handwheel:

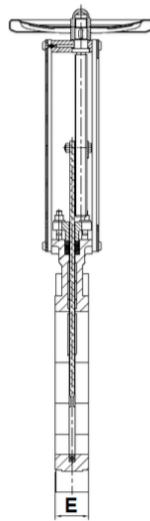
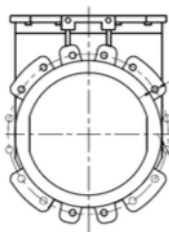
Dimensions:



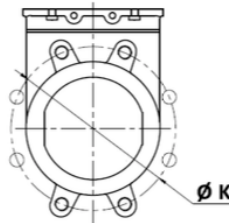
DN50-65



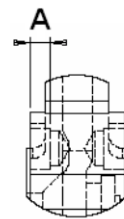
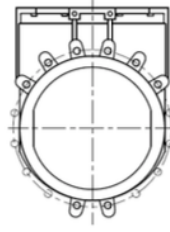
DN350



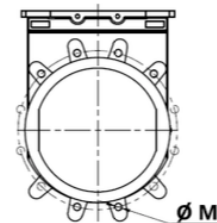
DN80-200



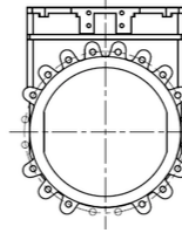
DN400



DN250-300



DN450-DN500

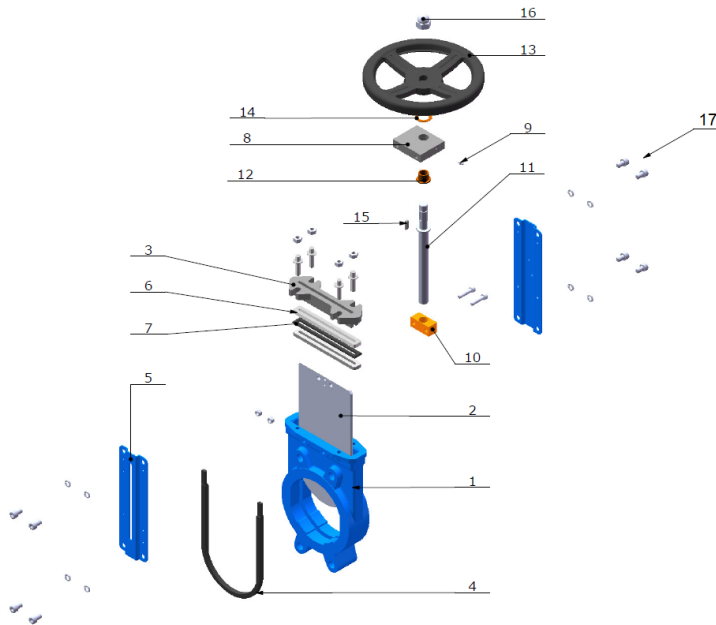


DN	50	65	80	100	125	150	200	250	300	350	400	450	500*
E	40	40	50	50	50	60	60	70	70	96	100	106	95
H	286	316	342	382	415	458	575	676	776	906	1012	1098	1190
H1	63	70	92	105	120	130	160	198	234	256	292	308	344
Ø V	200	200	200	200	250	250	300	300	300	500	500	500	500
Ø K	125	145	160	180	210	240	295	350	400	460	515	565	620
Ø M	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24
Number of threaded holes	4x2	4x2	4x2	4x2	4x2	4x2	4x2	8x2	8x2	12x2	8x2	14x2	14x2
A (Threaded length top blind holes)	8	8	9	9	9	10	10	12	12	20	20	24	24
Number of stud bolts	0	0	4	4	4	4	4	4	4	4	8	6	6
Kg	6,2	6,8	8	9,9	12,7	16,9	27,0	42,7	59	119	144	166	267

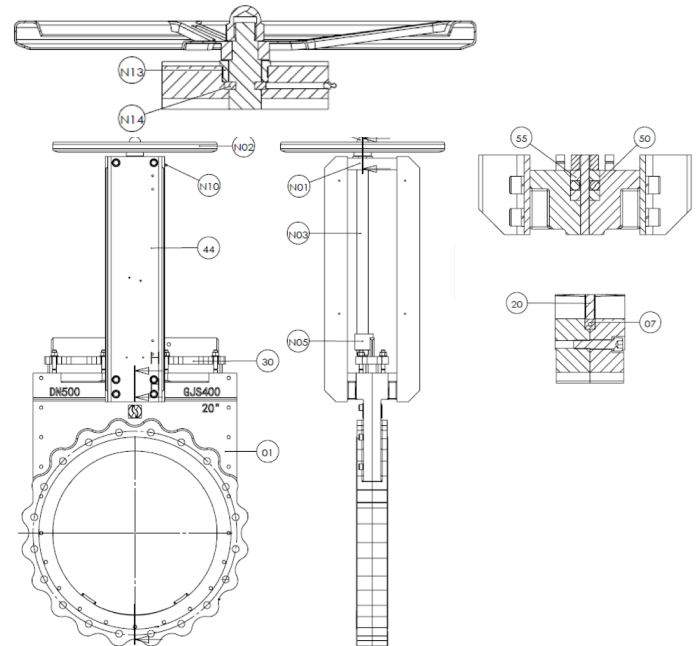
*DN500 2-piece body

Material:

DN50 – DN450:



DN500:



Pos.	Bauteil	Material
1	Body DN50-DN300	Cast iron EN GJL-250
1	Body DN350-DN400	Ductile iron EN GJS-400
2	Gate	Stainless steel AISI 304
3	Packing gland	Ductile iron EN GJS-400-15
4	Seat	NBR / EPDM
5	Support	Steel
6	Packing (Tress)	PTFE
7	Packing (O-ring)	NBR / EPDM
8	Yoke	Steel A3
9	Greaser	Steel
10	Stem nut	Bronze
11	Stem	Stainless steel AISI 304
12	Stem nut	Bronze
13	Handwheel	Steel A3
14	Ring	Bronze
15	Pin	Steel
16	Handwheel nut	Zinc-coated steel
17	Bolting	Stainless steel AISI 304

Pos.	Bauteil	Material
01	Body DN500	Ductile iron EN GJS-400
07	Seat	NBR / EPDM
20	Gate	Stainless steel AISI 304
30	Packing gland	Ductile iron EN GJS-400-15
44	Support	Steel
50	Packing (O-ring)	NBR / EPDM
55	Packing (Tress)	PTFE
N01	Yoke	Steel A3
N02	Handwheel	Steel A3
N03	Stem	Stainless steel AISI 304
N05	Stem nut	Bronze
N06	Handwheel nut	Steel
N10	Greaser	Bronze
N13	Lock ring	Steel
N14	Washer	Bronze

Flow rate in m³/h:

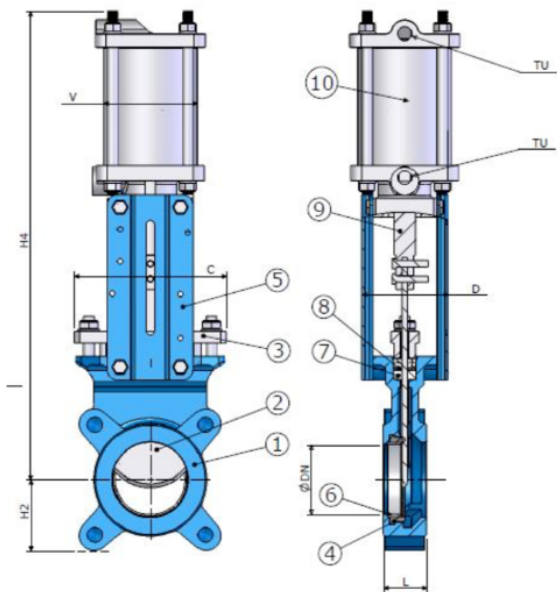
DN	50	65	80	100	125	150	200	250	300	350	400	450	500
Kvs	447	755	1.144	1.787	2.793	4.021	7.149	11.171	16.086	21.895	28.597	36.193	44.683

Number of cycles to close or open the valve:

DN	50	65	80	100	125	150	200	250	300	350	400	450	500
	15	18,75	22,5	27,5	33,75	40	42	52	62	60	68,3	78	86

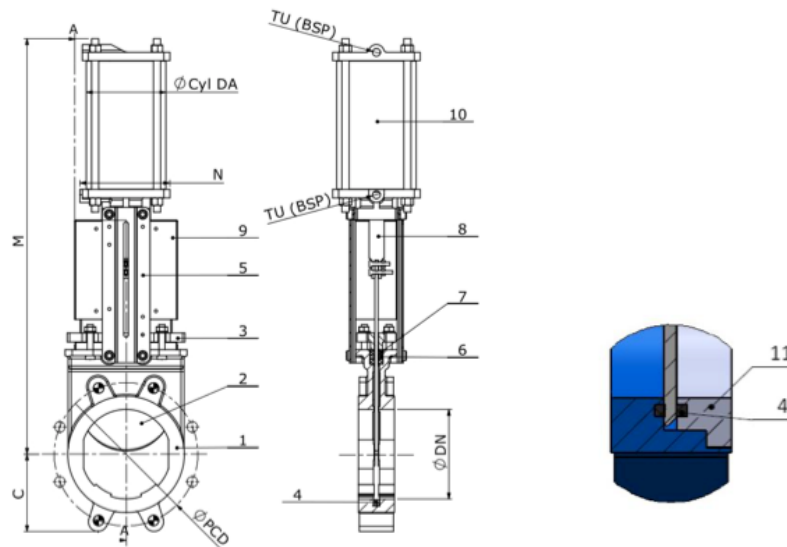
Version with pneumatic actuation:

Dimensions:



DN	50	65	80	100	125	150	200	250	300	350	400
H2	63	70	92	105	120	130	160	198	234	256	292
H4	400	442	483	546	630	692	869	1032	1182	1379	1535
C	125	140	155	175	190	220	275	325	380	440	495
D	92	92	92	92	102	102	120	120	120	290	290
L	40	40	50	50	50	60	60	70	70	96	100
Kg	9	11	12	13	18	22	40	50	65	120	150

Material:



Pos.	Bauteil	Material
1	Body	Epoxy coated cast iron EN-GJL 250
2	Gate	Stainless steel AISI 304
3	Stuffing's box gland DN50-200	Aluminium
3	Stuffing's box gland DN250-300	Cast iron EN-GJL 250
4	Seat	NBR or EPDM
5	Support	Epoxy coated carbon steel
6	O-Ring	NBR or EPDM
7	Packing	PTFE
8	Stem	Stainless steel AISI 304
9	Lateral covers	Epoxy coated carbon steel
9	Actuator	Aluminium
10	Ring	Stainless steel AISI 304

Air's ports: DN50-DN300: G 1/4"
DN350-DN450: G 3/8"
DN500: G 1/2"

Compressed air supply: Mind. 5 bar – max. 7 bar

Air supply: Lubricated compressed air

Room temperature: -20°C to +60°C

Options (on request):

- Chain handwheel

Article number:

Type	Seat	Actuation	Size
SR01	00 – EPDM*	00 – handwheel	08 – DN50
	01 – NBR	04 – double acting pneumatic actuator	09 – DN65
			10 – DN80
			11 – DN100
			12 – DN125
			13 – DN150
			14 – DN200
			15 – DN250
			16 – DN300
			17 – DN350
			18 – DN400
			19 – DN450**
			20 – DN500**

Example Nr. SR01010011:

SR01	01	00	11
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Knife gate valve

Seat: NBR

Actuation: Handwheel

Size: DN100

*Knife gate valve with EPDM sealing for actuation „04 – double acting pneumatic actuator“ only available up to DN300

**Knife gate with diameter DN450 and DN500 only for seat „01-NBR“ and actuation „00-handwheel“ available

Image similar, subject change without notice.