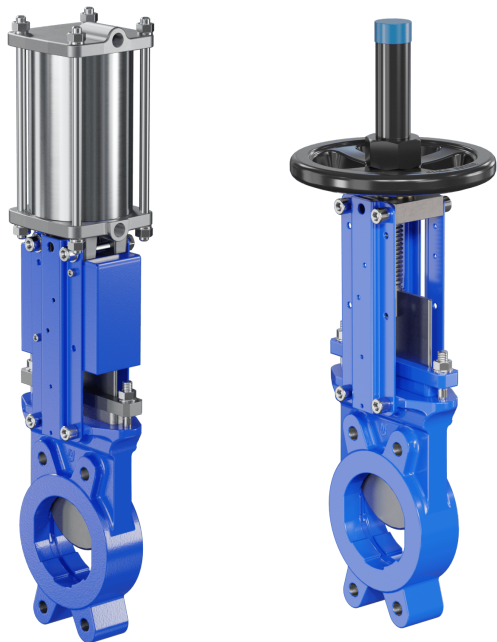


Knife gate valve TYPE SR02



Description:

Unidirectional cast iron knife gate valve for water, water treatment, chemical pulp, powders, food industry, chemistry.

Features:

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

Connection:
DN50 – DN400

Design:
Unidirectional tightness

Pressure:
Up to 10,0 bar – depending on design

Design:
Body:

Unidirectional tightness
DN50 – DN300: Cast iron EN GJL-250,
DN350 – DN500: Ductile iron EN GJS-400
50% epoxy 50% polyester painting blue colour RAL 5005

Gate:

Stainless steel 1.4350 / AISI 304

Stem:

Stainless steel 1.4350 / AISI 304

Packing:

PTFE

Seat:

NBR or EPDM

Actuation:

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

Flange:

Acc. to DIN EN 1092-1 PN10

Temperature:

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

Mounting position:

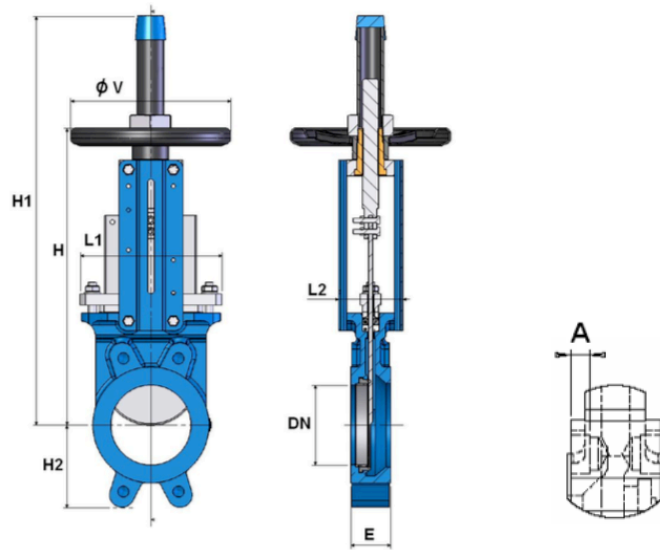
Preferably standing

Max. working pressure:

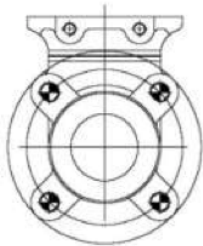
DN	50	65	80	100	125	150	200	250	300	350	400	450	500
in bar	10	10	10	10	10	10	10	8	6	4	4	3	3

Version with handwheel:

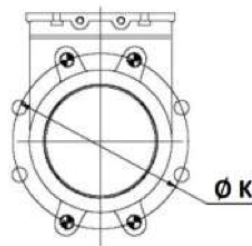
Dimensions:



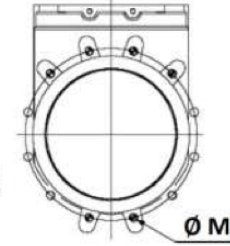
DN50-65



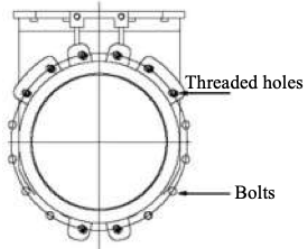
DN80-200



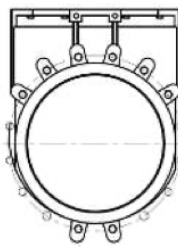
DN250-300



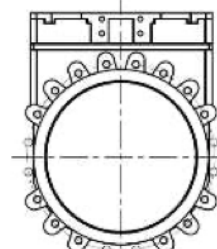
DN350



DN400

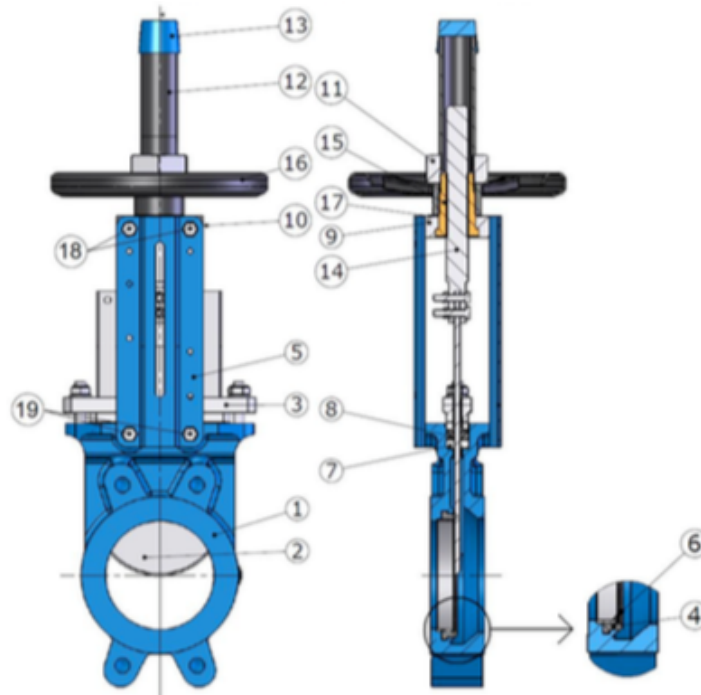


DN450-500



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	110
H	289	316	342	382	415	458	575	676	776	906	1012	1098	1210
H1	409	436	462	502	585	637	815	1016	1116	1336	1442	1628	1740
H2	63	70	92	105	120	130	160	198	234	256	292	308	340
L1	124	139	154	174	192	217	270	326	380	438	493	546	620
L2	92	92	92	92	102	102	119	119	119	290	290	290	290
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	4	4	4	4	4	4	4	6	6	8	8	14	14
A (Threaded length top blind holes)	8	8	10	10	10	12	12	15	15	19	20	24	24
Number of bolts	0	0	4	4	4	4	4	6	6	8	8	6	6
Kg	6,53	7,1	8,53	9,8	12,7	16,16	26,8	41	50	108	132	170	210

Materials:



Pos.	Part	Materials	Pos.	Part	Materials
1	Body	Cast iron EN GJL-250	11	Fixing screw	Steel
2	Gate	Stainless steel AISI 304	12	Hood	Steel
3	Packing gland nut	Ductile iron EN GJS-400-15	13	Hood cover	Plastic
4	Seat	NBR / EPDM	14	Spindle	Stainless steel AISI 304
5	Support	Painted steel	15	Stem nut	Bronze
6	Retainer	Stainless steel AISI 304	16	Handwheel	Steel
7	Packing (Tress)	PTFE	17	Washer	Brass
8	Packing (O ring)	NBR / EPDM	18	Upper screw	Steel
9	Yoke	Steel	19	Lower screw	Steel
10	Greaser	Brass			

Flow rate in m3/h:

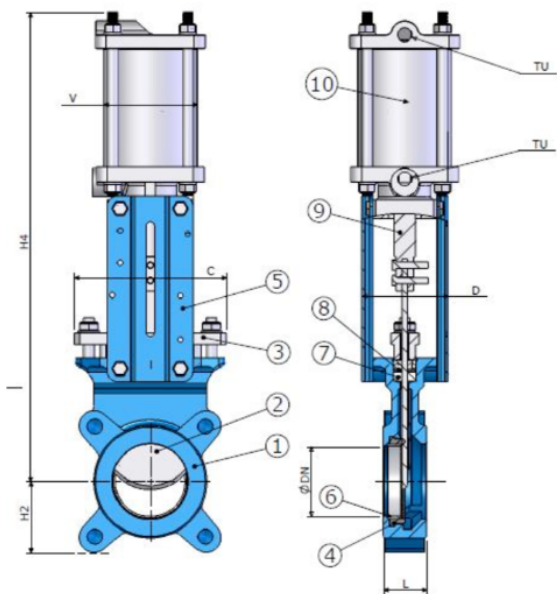
DN	50	65	80	100	125	150	200	250	300	350	400	450	500
Kvs	447	755	1.144	1.787	2.793	4.021	7.149	11.171	16.086	21.895	28.597	36.193	44.683

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	76,7	85

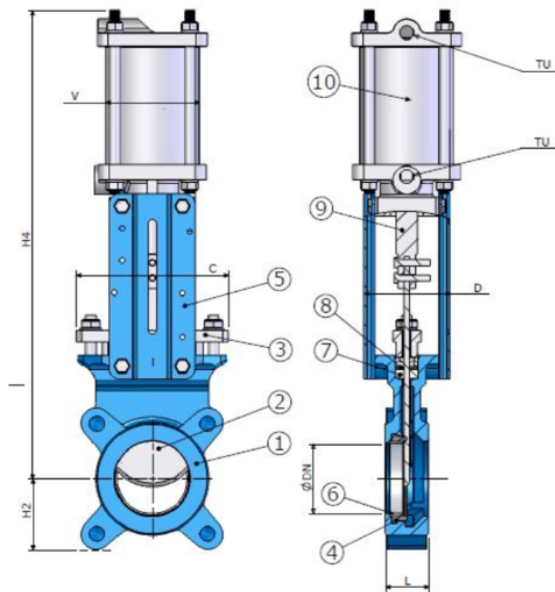
Version with pneumatic actuation:

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	Ring	Stainless steel AISI 304
7	Packing	PTFE
8	O-Ring	NBR or EPDM
9	Stem	Stainless steel AISI 304
10	Actuator	Aluminium

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
- Spring return actuator (only for NBR sealing and till max. DN300 possible)

Article number:

Type	Seat	Actuation	Size
SR02	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 No. SR02010011:

SR02	01	00	11
------	----	----	----

Unidirectional 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 valve with diameter DN450 and DN500 only for actuation „00-Handwheel“ available

Image similar, subject change without notice.