

Knife gate valve TYPE SR03



Description:

Unidirectional stainless steel 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

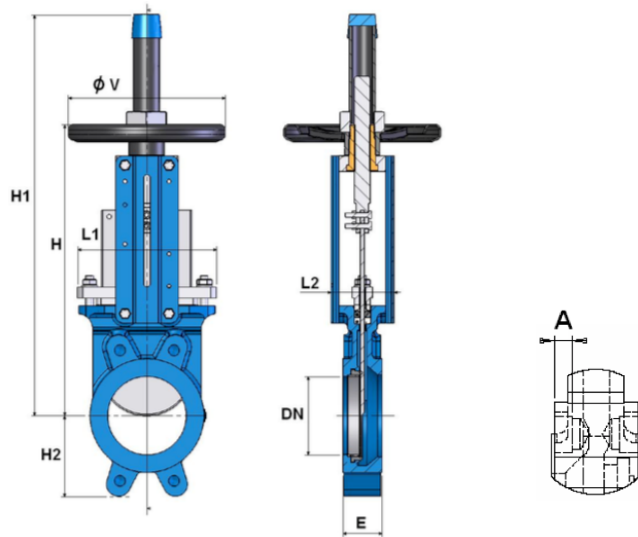
Design:	Unidirectional tightness
Body:	Stainless steel 1.4408 / AISI CF-8M
Gate:	Stainless steel 1.4401 / AISI 316
Packing:	PTFE
Seat:	EPDM
Actuation:	Non rising handwheel made of steel with rising stem Double acting pneumatic actuator made of epoxy-coated carbon steel
Flange:	Acc. to DIN EN 1092-1 PN10
Temperature:	EPDM Handwheel -20°C bis +130°C / actuator: 0°C bis +110°C ATT.: Temperature range not for all media
Usage:	Paper and pulp industry, power station technology etc. Use not allowed on group 1 dangerous gas
Mounting position:	Preferably standing

Max. working pressure:

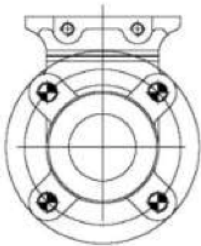
DN	50	65	80	100	125	150	200	250	300	350	400
in bar	10	10	10	10	10	10	10	8	6	4	4

Version with handwheel:

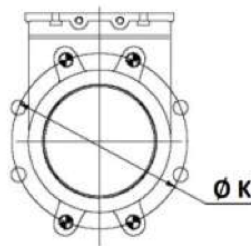
Dimensions:



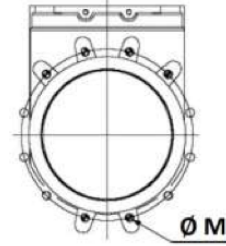
DN50-65



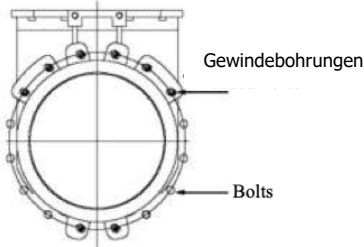
DN80-200



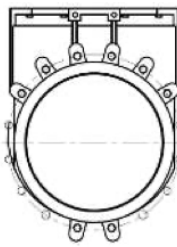
DN250-300



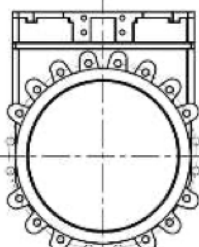
DN350



DN400

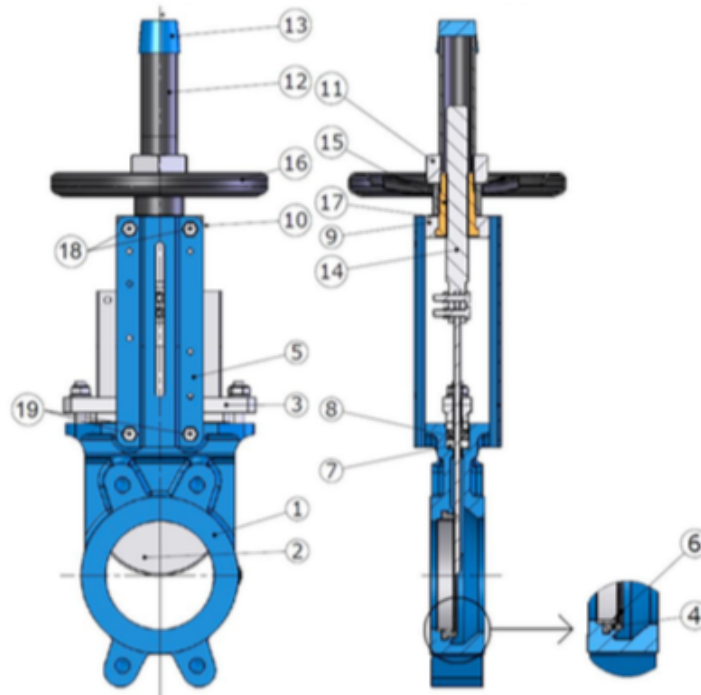


DN450-500



DN	50	65	80	100	125	150	200	250	300	350	400
E	40	40	50	50	50	60	60	70	70	96	100
H	289	316	342	382	415	458	575	676	776	906	1012
H1	370	410	462	502	585	637	815	1016	1116	1336	1442
H2	63	70	92	105	120	130	160	198	234	256	292
L1	124	139	154	174	170	200	250	326	360	438	493
L2	92	92	92	92	102	102	119	119	119	290	290
Ø V	200	200	200	200	250	250	300	300	300	500	500
Ø K	125	145	160	180	210	240	295	350	400	460	515
Ø M	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24
Number of threaded holes	4	4	4	4	4	4	4	6	6	8	8
A (Threaded length top blind holes)	8	8	10	10	10	12	12	15	15	19	20
Number of bolts	0	0	4	4	4	4	4	6	6	8	8
Kg	6,52	7,81	8,48	10,06	12,7	15,8	27,8	44,6	57	110	150

Materials:



Pos.	Part	Materials	Pos.	Part	Materials
1	Body	ASTM A351 CF8M	11	Fixing screw	Steel
2	Gate	Stainless steel AISI 316	12	Hood	Steel
3	Packing gland nut	ASTM A351 CF8M	13	Hood cover	Plastic
4	Seat	EPDM	14	Spindle	Stainless steel AISI 304
5	Support	Painted steel	15	Stem nut	Bronze
6	Retainer	Stainless steel AISI 316	16	Handwheel	Steel
7	Packing (Tress)	PTFE	17	Washer	Brass
8	Packing (O ring)	EPDM	18	Upper screw	Steel
9	Yoke	Steel	19	Lower screw	Stainless steel
10	Greaser	Brass			

Flow rate in m3/h:

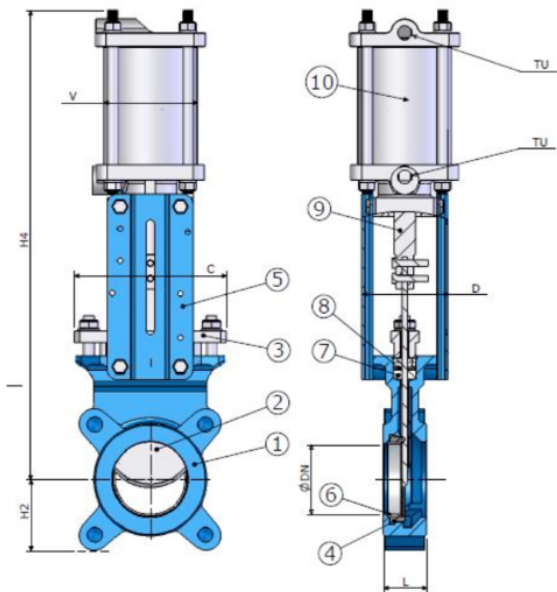
DN	50	65	80	100	125	150	200	250	300	350	400
Kvs	447	755	1.144	1.787	2.793	4.021	7.149	11.171	16.086	21.895	28.597

Number of cycles to close or open the valve:

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

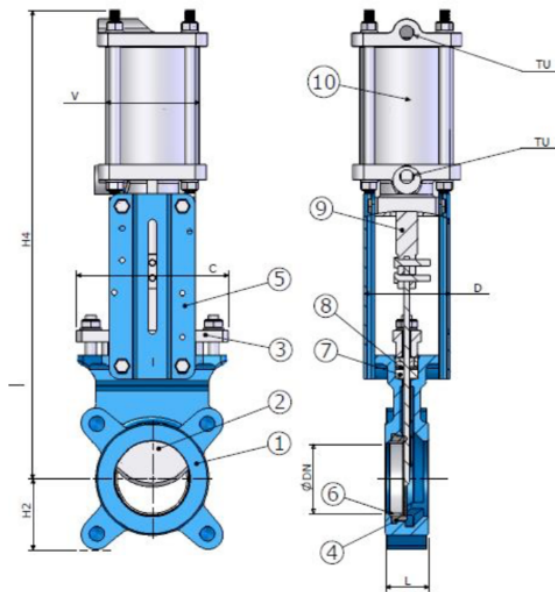
Version with pneumatic actuation:

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	Stainless steel 1.4408 / AISI 316
2	Gate	Stainless steel AISI 316
3	Stuffing's box gland DN50-200	Stainless steel 1.4408 / AISI 316
3	Stuffing's box gland DN250-300	Stainless steel 1.4408 / AISI 316
4	Seat	EPDM
5	Support	Epoxy coated carbon steel
6	Ring	Stainless steel 1.4408 / AISI 316
7	Packing	PTFE
8	O-Ring	EPDM
9	Stem	Stainless steel 1.4350 / AISI 304
10	Actuator	Aluminium

Air's ports: DN50-DN300: G 1/4"
DN350-DN400: G 3/8"

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 (possible till max. DN300)

Article number:

Type	Seat	Actuation	Size
SR03	00 – EPDM	00 – handwheel 04 – double acting pneumatic actuator	08 – DN50 09 – DN65 10 – DN80 11 – DN100 12 – DN125 13 – DN150 14 – DN200 15 – DN250 16 – DN300 17 – DN350 18 – DN400

Example No. SR03000011:

SR03 | 00 | 00 | 11

Unidirectional Knife gate valve made of stainless steel
Seat: EPDM
Actuation: Handwheel
Size: DN100

Image similar, subject change without notice.