THROUGH CONDUIT BIDIRECTIONAL KNIFE GATE VALVE PN10 S-GATE

Bidirectional through conduit cast iron knife gate valve for paper industries, water, water treatment, chemical pulp, powders, food industry, chemistry, transport and storage.
PTFE packing with ductile iron packing gland nut for a better mechanical resistance.
Centered index allowing the installation of the sensor with a small footprint.
Ribbed support plate for a better rigidity.
Retention area limited.

Certificate

3.1



Size :	DN50 to DN600
Connection :	Between flanges PN10
Min Temperature :	-15°C (with EPDM seat)
Max Temperature :	+130°C (with EPDM seat)
Max Pressure :	10 Bars up to DN125
Specifications :	Rising non rotating stem, non rising handwheel Bidirectional tightness Weak head loss
Materials :	Cast iron EN GJL-250

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SPECIFICATIONS :

- Opened or closed valve
- Rising non rotating stem, non-rising handwheel
- Bidirectional tightness
- Weak head loss
- Retention area limited
- Between flanges PN10
- With handwheel
- 50% epoxy 50% polyester painting blue colour RAL 5005, 150 microns thickness
- Seat EPDM (NBR on request)

USE:

- Paper industry, water, water treatment, chemical pulp, powders, food industry, chemistry, transport, storage

- Min and max Temperature Ts : - 15°C to + 130°C with EPDM seat

- Min and max Temperature Ts : - 10°C to + 90°C with option NBR seat

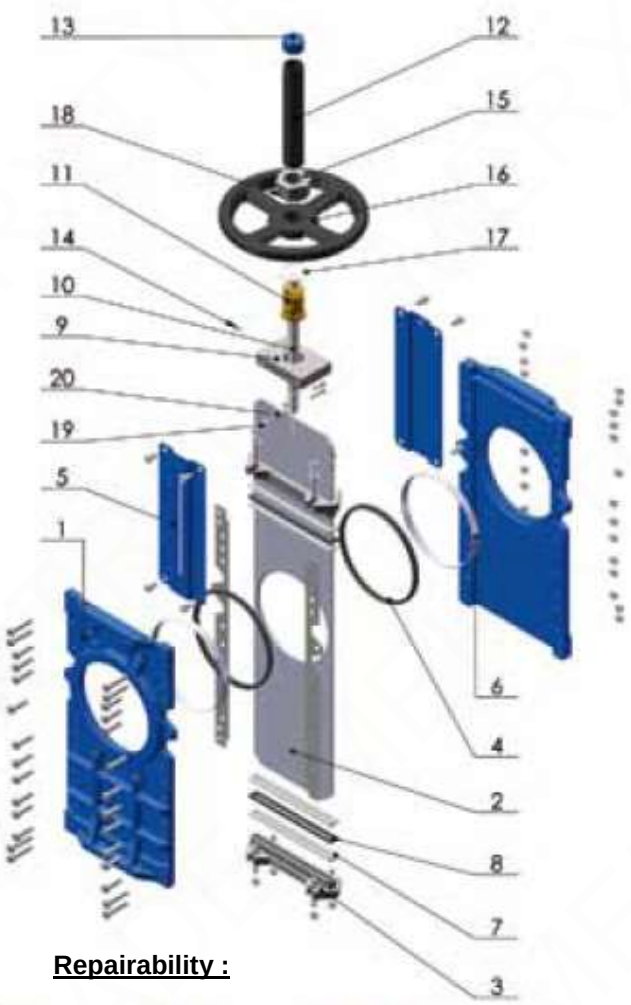
MAX PRESSURE :

DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Ps (Bars)	10	10	10	10	10	8	8	6	6	4	4	3	3	3

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MATERIALS :



Item	Designation	Materials
1	Body	Cast iron EN GJL-250
2	Gate	AISI 304
3	Packing gland	Ductile iron EN GJS-400-15
4*	Seat	EPDM
5	Support	Steel
6	Retainer	AISI 304
7*	Packing (Tress)	PTFE
8*	Packing (O ring)	EPDM
9	Yoke	Steel
10	Stem	AISI 303
11	Stem nut	Bronze
12	Hood cover	Steel
13	Cap	Plastic
14	Greaser	Steel
15	Handwheel nut	
16	Handwheel	
17	Washer	Brass
18	Screw	AISI 304
19	Indicator	Steel
20	Indicator nut	

*Included in gaskets kit

Repairability :

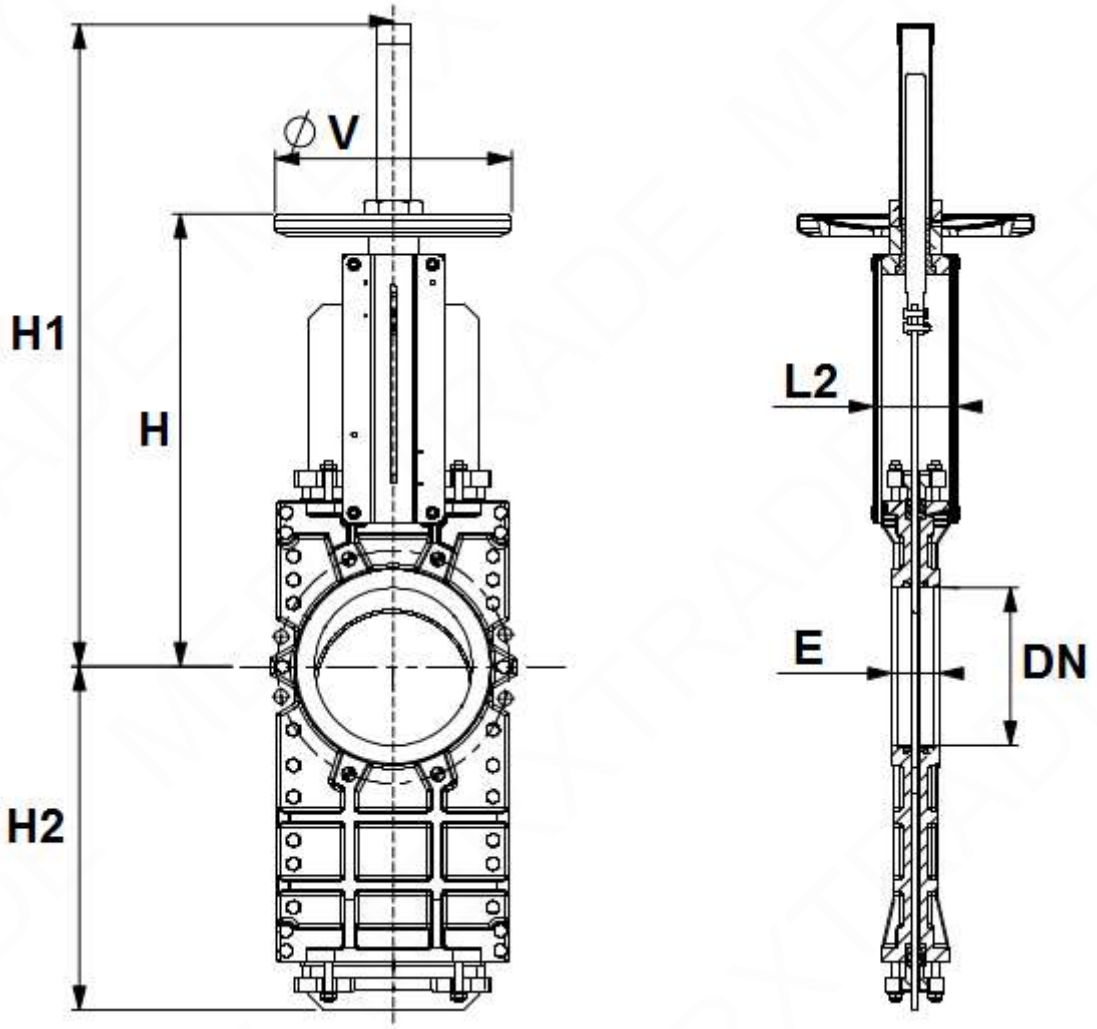


*Gaskets kit (item 4, 7 and 8)	
DN (mm)	Ref.
50	MXT-9803860
65	MXT-9803861
80	MXT-9803862
100	MXT-9803863
125	MXT-9803864
150	MXT-9803865
200	MXT-9803866
250	MXT-9803867
300	MXT-9803868

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SIZE (in mm) :

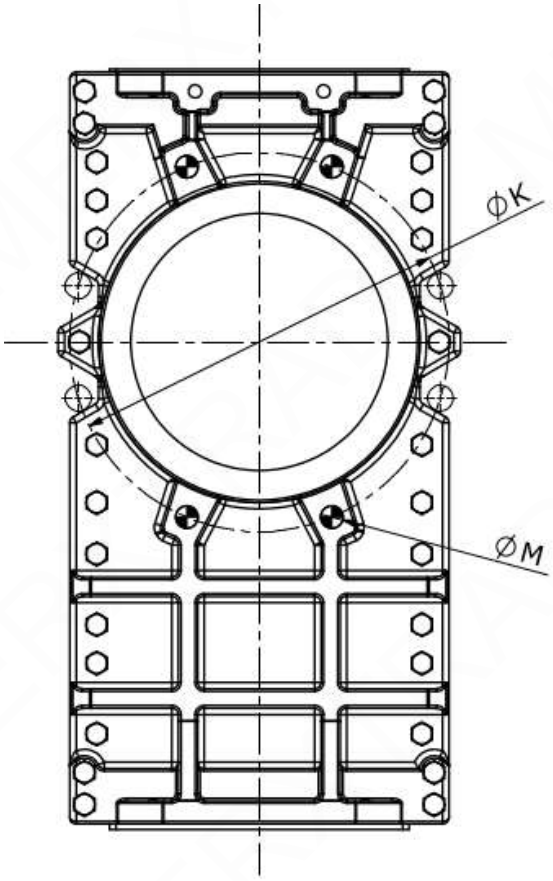


DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
E	40	40	50	50	50	60	60	70	70	96	100	106	110	110
H	295	320	346	386	420	471	582	670	754	889	964	1083	1173	1353
H1	417	442	469	509	593	644	825	1010	1094	1319	1394	1613	1703	1973
H2	225	265	305	365	430	495	630	765	895	1020	1165	1325	1450	1750
L2	92	92	92	92	102	102	120	120	120	290	290	290	290	290
Ø V	200	200	200	200	250	250	300	300	300	500	500	500	500	500
Weight (Kg)	12	13	17	19	28	38	54	96	112	163	235	368	471	532

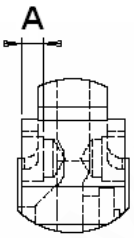
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SIZE FIXING VALVE THREADED HOLES (BETWEEN FLANGES PN10 in mm) :



THREADED HOLES LENGHT:



DN	50	65	80	100	125	150	200	250	300	350	400	450	500	600
Ø K	125	145	160	180	210	240	295	350	400	460	515	565	620	725
Ø M	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24	M27
Nb threaded hole	4	4	4	4	4	4	4	8	8	12	12	16	16	16
A	8	8	10	10	10	12	12	15	15	19	20	24	24	24

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STANDARDS :

- Manufacturer certified ISO 9001 : 2015
- DIRECTIVE 2014/68/EU : For liquids of group 1 and gas of Group 2
    - DN50-100 : Article 4, §3 (SEP), no CE marking
    - DN125-600 : Risk Category I, CE marking
- Certificate 3.1 on request
- Pressure test according to ISO 5208, rate A
- Between flanges PN10 according to EN 1092-2 PN10

ADVICE : Our opinion and our advice are not guaranteed and Merxtrade shall not be liable for the consequences of damages.
The customer must check the right choice of the products with the real service conditions.

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