TECHNICAL SHEET

Updated: 05/2021

Reference
12SF0E3

TWO-WAY GUILLOTINE VALVE CAST IRON-INOX-NBR PN10/10 FROM DN50 TO DN500

CERTIFICATE
3.1
on demand



1. Standards

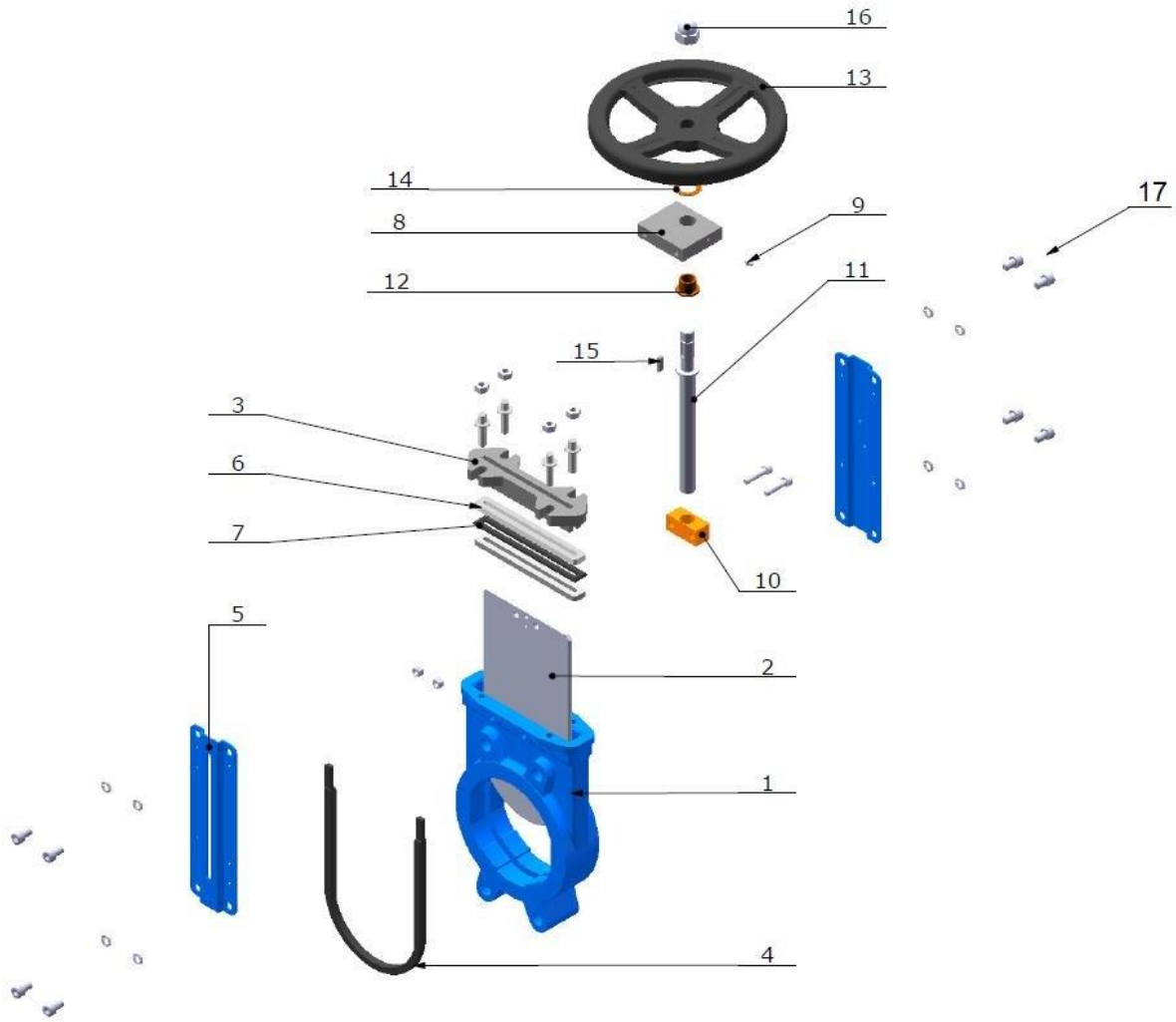
- ✓ ISO 9001:2015 certified manufacturer
- ✓ DIRECTIVE 2014/68/EU: Products excluded from the directive (Article 4. § 3)
- ✓ 3.1 certificate on request
- ✓ Leak test according to ISO 5208, Rate A
- ✓ Mounting between PN10 flanges according to standard EN 1092-1 PN10

2. Features

Use :	Sectioning of water networks, waste water, paper pulp, powder, food industry, chemicals.
Dimensions:	DN50 to DN500
Connection :	Between PN10 flanges
Minimum temperature:	-10°C
Max temperature:	+90°C
Max Pressure:	10 Bars up to DN200
Features :	Non-rotating rising stem, non-rising steering wheel Two-way sealing Low pressure losses
Materials :	Cast iron EN GJL-250

Information given for information purposes only and subject to possible modifications

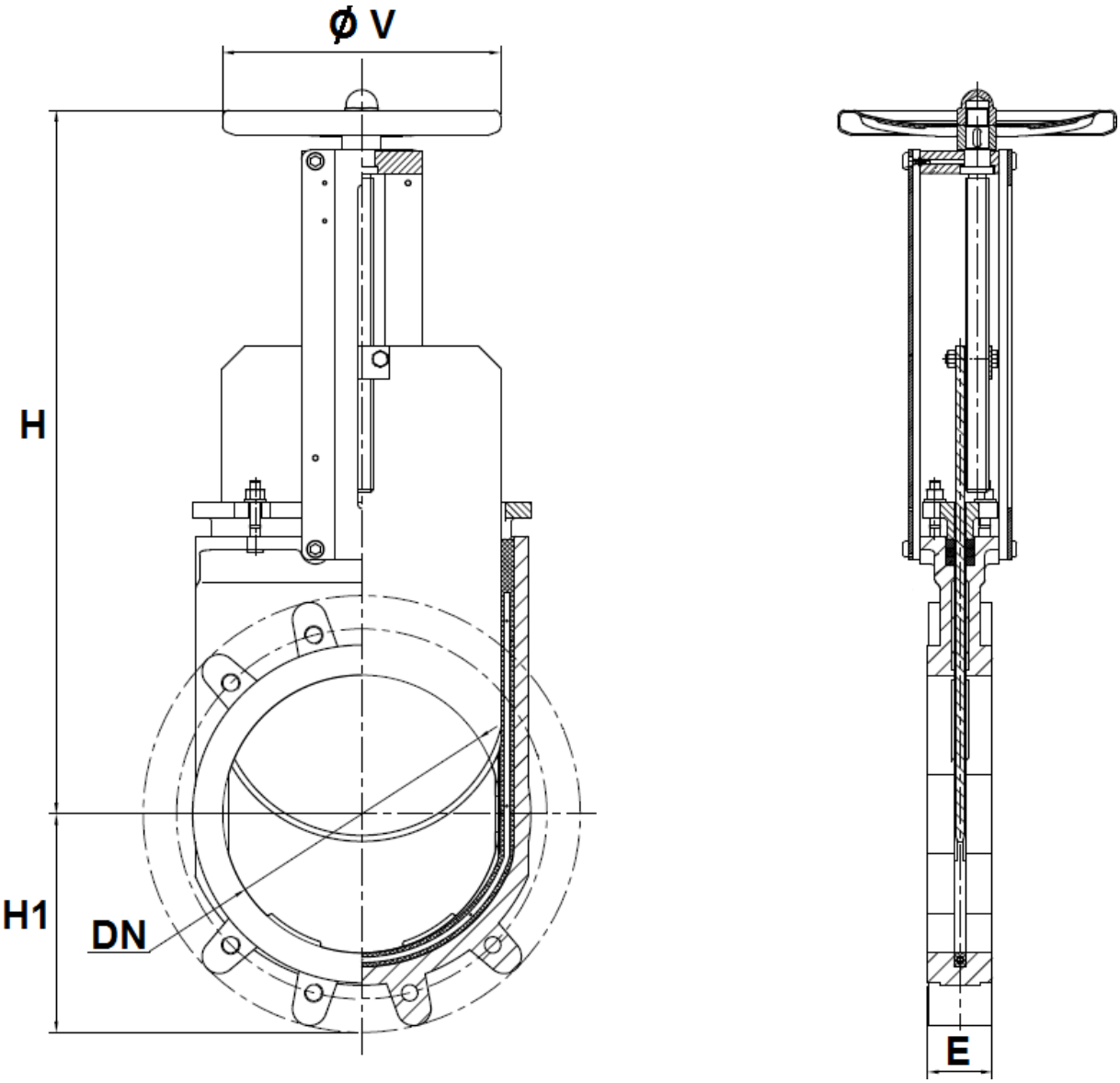
3. Materials



Landmark	Designation	Materials
1	Body	Cast iron EN GJL-250
2	Shovel	AISI 304 stainless steel
3	Plugger	Cast iron EN GJS-400-15
4	Seat	NBR
5	Support plate	A3 painted steel
6	Trim Cable gland (Braid)	PTFE
7	Trim Cable gland (O ring)	NBR
8	Bridge	A3 steel
9	Lubricator	Steel
10	Stem nut	Bronze
11	Stem	AISI 304 stainless steel
12	Stem nut	Bronze
13	Flying	A3 steel
14	Washer	Bronze
15	Key	Steel
16	Steering wheel nut	Galvanized steel
17	Plate screws	Steel 8.8 zinc plated

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4. Valve dimensions

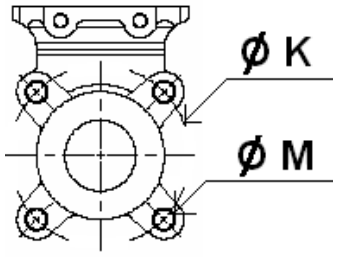


DN	50	65	80	100	125	150	200	250	300	350	400	450	500
E	40	40	50	50	50	60	60	70	70	96	100	106	110
H	286	316	342	382	415	458	575	676	776	906	1012	1098	1210
H1	63	70	92	105	120	130	160	198	234	256	292	308	340
ØV	200	200	200	200	250	250	300	300	300	500	500	500	500
Weight (Kg)	6.2	6.8	8	9.9	12.7	16.9	27	42.7	59	119	144	166	203

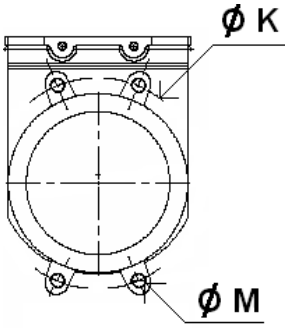
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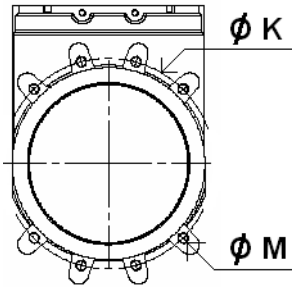
5. Valve mounting hole dimensions (between PN10 flanges in mm)

DN 50 – 65

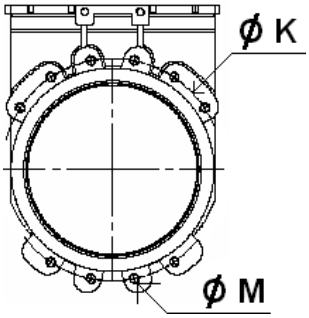


DN 80 – 200 DN 250 – 300

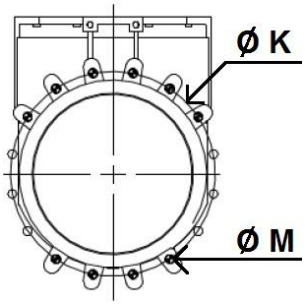




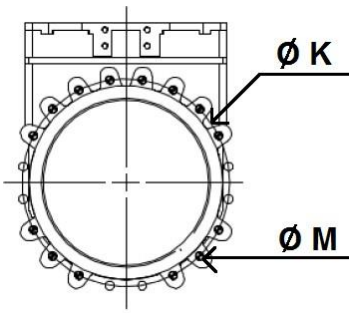
DN 350



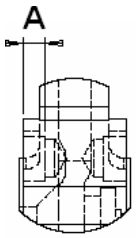
DN 400



DN 450-500



DEPTH OF UPPER BLIND HOLES:

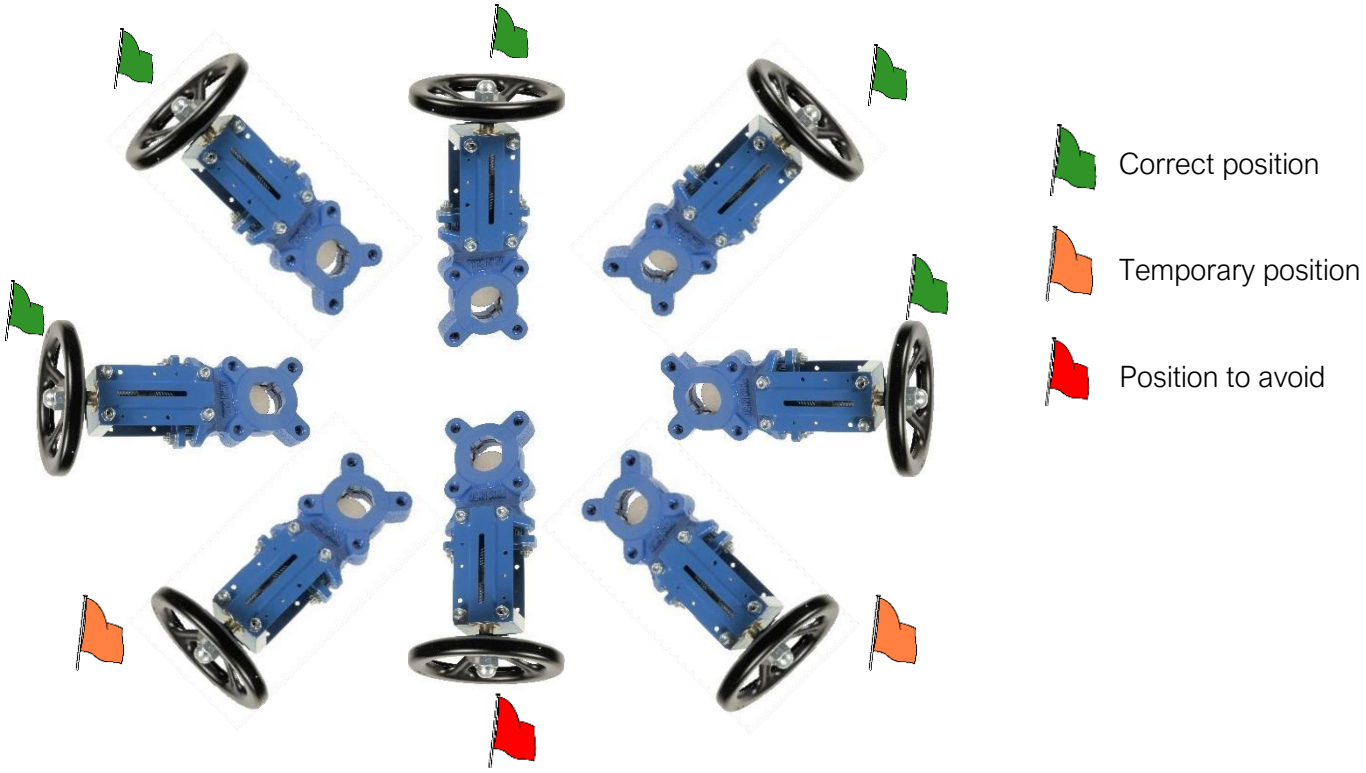


DN	50	65	80	100	125	150	200	250	300	350	400	450	500
OK	125	145	160	180	210	240	295	350	400	460	515	565	620
ØM	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24
Number of tapped holes	4	4	4	4	4	4	4	8	8	10	10	14	14
HAS	8	8	9	9	9	10	10	12	12	20	20	24	24

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6. Installation instructions

- Knife gate valves can be mounted in any position. Nevertheless, we recommend favorable positions (see diagram below)



Consult our additional technical documentation including:

- ✓ Flow coefficients
- ✓ Calculation of load losses
- ✓ Pressure/temperature curve (excluding steam)
- ✓ Characteristics of reducers including: reduction ratio, number of turns for opening/closing, output torques.

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