SPECIFICATIONS :

. Opened or closed valve
. Between flanges PN10
. Unidirectional tightness (mounting sense)
. Weak head loss
. Rising Stem
. Possible with sensor IP 66

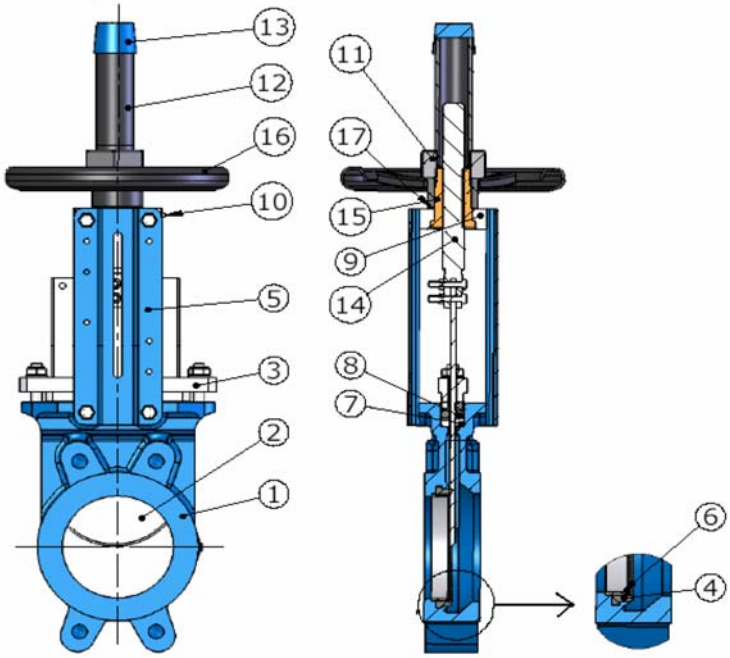
USE :

. Water, water treatment, chemical industry, food industry, powders
. Max temperature Ts : 80°C for ref 170
. Max temperature Ts : 110°C for ref 172
. Max pressure Ps : see dimensions
. When using powder , please inverse assemby direction

RANGE :

. Between flanges GN10 cast iron DN50 to DN700
. Between flanges GN10 stainless steel DN50 to DN300

MATERIALS :



Option with position indicator :

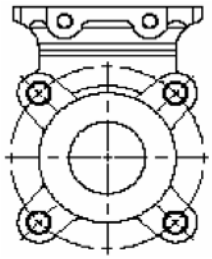
Item	DESIGNATION		MATERIALS 1	MATERIALS 2
1	Body		Cast iron EN GJL-250	A351 CF8M
2	Gate		SS 304	SS 316
3	Packing gland nut		Aluminium	A351 CF8M
4 (*)	Seat		NBR - metal-metal	EPDM
5	Support		Painting steel	Painting steel
6 (*)	Retainer		SS 304	SS 316
7 (+)	Packing	Tress	PTFE	PTFE
8 (+)		O ring	NBR	EPDM
9	Yoke		Steel	Steel
10	Oil hole		Steel	Steel
11	Fixing screw		Steel	Steel
12	Hood		Steel	Steel
13	Hood cover		Plastic	Plastic
14	Spindle		SS 303	SS 303
15	Stem nut		Bronze	Bronze
16	Handwheel		Steel	Steel
17	Washer		Bronze	Bronze

(*) : Included in the seat seal kit

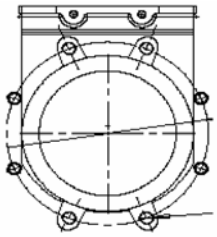
(+) : Included in the packing gland kit

SIZE:

	50	65	80	100	125	150	200	250	300	350	400	450	500	600	700
H1	289	316	342	382	415	458	575	676	776	906	1012	1098	1210	1416	1650
H2	63	70	92	105	120	130	160	198	234	256	292	308	340	400	500
H3	410	440	460	500	585	637	815	1016	1116	1336	1442	1628	1740	2046	2290
D	92	92	92	92	102	102	120	120	120	190	190	190	190	190	400
L	40	40	50	50	50	60	60	70	70	96	100	106	110	110	110
W	190	190	190	190	225	225	325	325	325	450	450	450	450	450	800
K	125	145	160	180	210	240	295	350	400	460	515	565	620	725	840
A	8	8	10	10	10	12	12	14	14	19	20	24	24	24	
M	M16	M16	M16	M16	M16	M20	M20	M20	M20	M20	M24	M24	M24	M27	M27
Weight 170	6,3	7	8,3	9,7	12,6	15,5	26,7	41,2	54,7	105,2	128,3	165	204	290	435
Weight 172	6,4	7,2	8,4	10,2	12,7	15,7	27,8	43,1	55,9	-	-	-	-	-	-
Ps	10	10	10	10	10	10	10	8	6	4	4	3	3	3	2

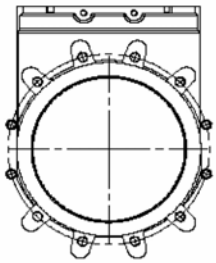


DN 50-65

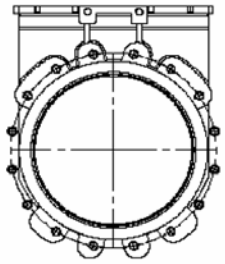


DN 80-200

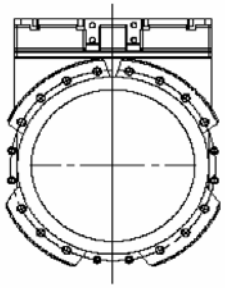
DN 250-300

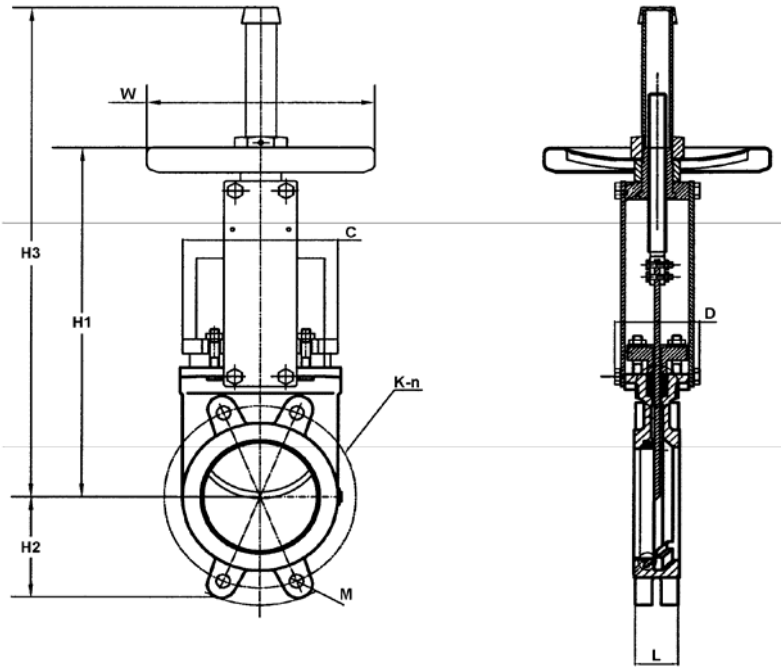


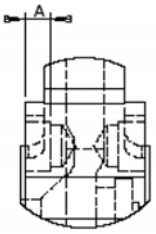
DN 350-400



DN 450-600







Threading lenght for top holes

STANDARDS :

. DIRECTIVE 97/23/CE : Conform

INSTALLATION INSTRUCTIONS :

Use
- To bring into service the installation after this one was controlled.
- For temperatures higher than 60° not to touch the body of
the equipment under pressure and to provide a protection.
- To use adapted flanges.

Maintenance and control
- Control the valves annually.
- Change the joints after each disassembling.
- Any maintenance action must be carried out when the installation is in the atmospheric pressure.
- Cut energy supply of the actuators.

Clean pipings
- Before the tests and the starting of the installations, carry out the abundant rinsing of piping
(water, air, steam if compatible).
- It is essential to eliminate all the particles and various objects which could remain in pipes and particularly welding residues which could definitively damages the valve seat .

Clean the gasket seat
- Before assembly, take care that the gasket seats are perfectly clean, free from stripes prejudicial with good sealing.

Align pipings
- Check piping alignment.
- Do not rely on the valves to recover bad alignments : you risk the creation of leakage, and operating defect or even of rupture.

To avoid the «water hammers»
- A water hammer can generate a rise in pressure of extreme brutality.
- The damage caused by a water hammer is considerable: butterfly valve disc splits, axes deformed, destroyed various apparatuses.
- The causes of the water hammers are very varied but generally: the starting of pump and the brutal closing of valve.
- Attention, when starting the installation or testing, take all the necessary precautions, **slow down** motorized valves.

Handle the valves with precaution
- Sling valves by the body.
- Do not hang at the hand wheel or the servomotor.
- Attention with the shocks.

Valves are delivered with loosened packing gland
Please screw it during setting

Respect assembly direction
- Certain valves are one-way (non-return valve, knife gate valves, etc.).
- Take care of an assembly in conformity to the direction arrow or of the instructions of assembly.

To respect the tightening torques
- It is prejudicial applying higher tightening torque than the tightness' need.
- This can create markings on the seat and premature wears particularly for the rubber seat (diaphragm valves).
- Attention, when starting the installation or testing, take all the necessary precautions, **slow down** motorized valves.

To handle valve with precaution
- Take care of the coatings and protections.
- To avoid the shocks and frictions which, by destroying the coatings, create starters of corrosion.

Store the equipment under good conditions
- The valves must be stored against:
. humidity and rain to avoid corrosion;
. wind, sand: to avoid the penetration of solid particles whose presence is catastrophic for the tightness;
. sunshine and heat: they damage the coatings, particularly harmful for plastic valves and fittings very sensitive to the ultraviolet.
- Valves with rubber seat must always be stored **half-opened**.
- The apparatuses with metal seat must be stored closed (except particular specifications) to avoid the penetration of the particles in internal volumes.
- Ball valves must be stored in **open** position.
- Preserve the apparatuses with their plastic caps which should be taken away when mounting the valves.

Specific instructions

Knife gate valve
- After setting under pressure of the circuit, check the leakage
on the level of the packing and tighten if necessary.
- Be sure that the position indicator is visible.
- Assembly in specific end of line: see the recommendations
in our catalogue.
- Respect the recommended positions of assembly.
- Respect the disassembling direction: see the recommendations
in our catalogue.