



PN 10
DN 50...300

Product Features

- Knife gate valve with multiple-orifice-plate for control purposes
- Asymmetric hole design to achieve an optimal flow characteristic
- Wafer-type valve for installation between pipe flange
- Compact, single monobloc body
- Completely chambered valve plate
- Leakproof in both flow directions
- Extreme easy operation torque, no additional gearing necessary
- New sealing principle - no lateral sealing on gate valve

Materials

- Body made of ductile cast iron EN JS 1030 (GGG-40)
- Knife, multiple-orifice-plate and yoke of stainless steel 1.4301
- Stem of stainless steel 1.4021
- Screws of stainless steel 1.4301
- Bolts of A2

Corrosion Protection

- Epoxy coated

Field of Application

- For pressure and flow control purposes
- Max. operation temperature: 50°C
- The max. operating pressures to KAT 2013-A

Alternatives

- With handwheel
- Prepared for electric actuator
- With electric actuator

On request

- Pressure range PN 16



For ordering, please ask for questionnaire.

For information about installation, commissioning, operating and maintenance we kindly refer to our **"Installation and Operating Instructions - Valves"**.

Field of Use

Final Inspection Test in acc. with EN 12266

DN mm	PN bar	Max. operating pressure bar	Max. operating temperature for water °C	Test pressure with water	
				in body	in seat
50...300	10	10	50	15	11

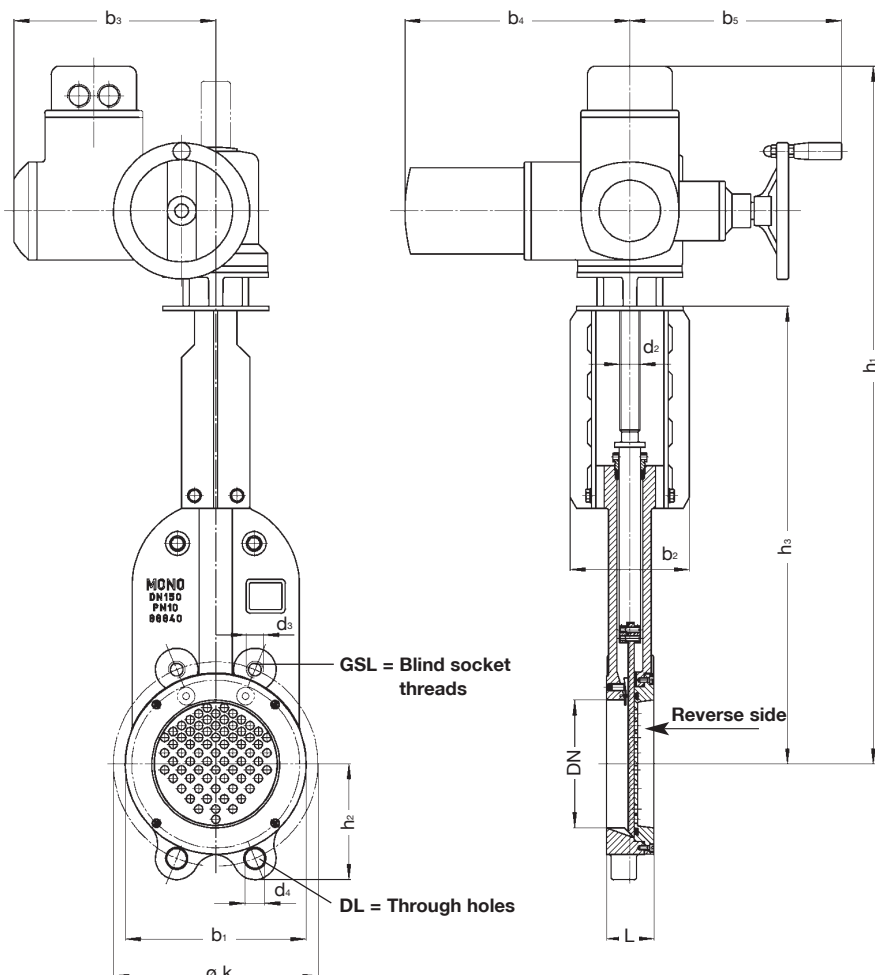
Max. operating pressure on the reverse side of the valve plate

DN	50	65	80	100	125	150	200	250	300
Max. operating pressure (bar)	10	10	10	10	8	8	6	4	3

We reserve the right to make technical changes and use similar or higher-quality materials. Drawings are non-binding



Dimensions / weights



Dimensions in mm		50	65	80	100	125	150	200	250	300
DN		50	65	80	100	125	150	200	250	300
Construction	h_1	582	616	644	682	754	819	924	1081	1227
	h_2	60	70	90	105	115	140	160	170	180
	h_3	300	334	362	400	472	537	642	799	945
	b_1	102	121	138	156	172	212	272	324	385
	b_2	130	130	140	140	140	140	160	180	180
	b_3	237	237	237	237	237	237	237	237	237
	b_4	264	264	264	264	264	264	264	264	264
	b_5	249	249	249	249	249	249	249	249	249
	k	125	145	160	180	210	240	295	350	400
	L	43	46	64	64	70	56	60	68	78
	d_2	Tr 24x5								
Flange drillings	No.	4	4	8	8	8	8	8	12	12
	Thread	M 16	M 16	M 16	M 16	M 16	M 20	M 20	M 20	M 20
Valve drillings	GSL	No. per side	2	2	2	2	2	2	4	4
		d_3 (Blind socket threads)	M 16	M 16	M 16	M 16	M 16	M 20	M 20	M 20
	DL	No.	2	2	6	6	6	6	8	8
	d_4 (Through holes)	18	18	18	18	18	23	23	23	23
Turns/stroke		12.5	15	18.5	22	27.5	32	41.5	53.5	63.5
Weight	kg	33	34	37	38.5	43.5	45	54.5	71	90

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