

TECHNICAL DATA

GA SERIES



ARNETT
ENGINEERED SOLUTIONS

ARNETT ENGINEERED SOLUTIONS
61 INNOVATION DRIVE, BAMBERG, SC 29003

(844) 785-7585 | SALES@ARNETT.COM

WWW.ARNETT.COM

BIDIRECTIONAL KNIFE GATE VALVE

DESCRIPTION

- Bidirectional knife gate valve.
- Valve suitable for use as end-of-line.
- Monobloc cast iron body.
- Stainless steel through-conduit gate.
- Two rubber sleeves.
- Provides high flow rates with low pressure drops.
- Various seat materials available.
- Face-to-face distance in accordance with **CMO Valves**.

GENERAL APPLICATIONS

This knife gate valve is suitable for working in the mining industry, in loaded fluid transport lines such as water with stones, sludge, etc, and, in general, for abrasive fluids in the chemical industry and waste water.

Designed for the following applications:

- Mining services
- Sewage treatment
- Electrical power stations
- Chemical plants
- Energy sector
- Thermal power stations

SIZES

From DN50 to DN1500.

Other DN's on request.

WORKING PRESSURE (ΔP)

DN50 - DN 150	16 bar
DN200 - DN 600	10 bar
DN700 - DN 900	8 bar
DN1000 - DN 1200	6 bar

2" - 6"	230psi
8" - 24"	145psi
28" - 36"	116psi
40" - 48"	87psi

Other pressures on request.

Pressures indicated in the table can be used in either of the valve's two directions.

FLANGE DRILLING

- EN1092 PN10
- ASME B16.5 (class 150)

OTHERS COMMONLY USED

- PN6.
- PN16.
- PN25.
- JIS standard
- Australian standard
- British standard.

Others on request.

MATERIALS

Body: GJS500-7 Cast Iron or CF8M Stainless Steel.

Gate: AISI304 or AISI316 Stainless Steel, 2205, 17-4, Alloy 20, 2507, 317L

Optional Materials: Carbon Steel (A216WCB), Duplex Stainless Steel, and special alloys.

RESILIENT SEALS

- NATURAL RUBBER.
- POLYURETHANE.
- EPDM.
- NITRILE.
- FKM.

DIRECTIVES

See document of directives applicable to **CMO Valves**



*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

QUALITY DOSSIER

All valves are tested hydrostatically at **CMO Valves** and material and test certificates can be provided.

- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.

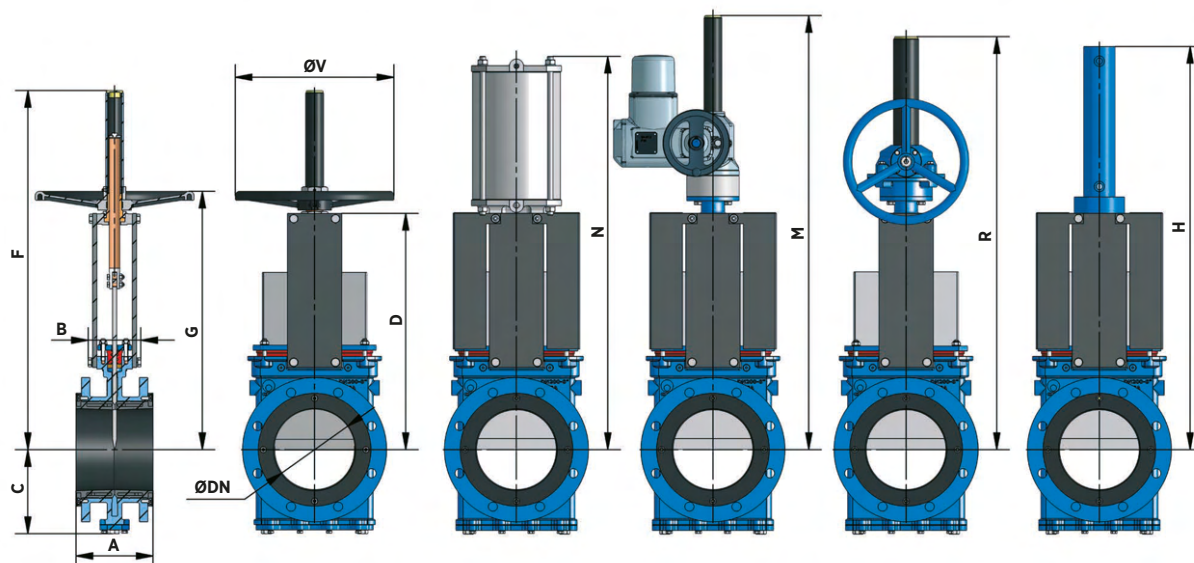


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As part of a process of on-going product and service development, **CMO Valves** reserves the right to amend and change the data and content of this document at its discretion at any time without notice. The publication of the latest revision renders all previous documents invalid.

Installation and Maintenance Manual available at www.cmovalves.com.





MANUFACTURING RANGE

DIMENSIONS - GA

DN	A	B	C	D	F	G	ØV	N	M	R	H
50	175	109	106	280	449	319	225	475	631	581	482
65	175	109	113	306	500	345	225	515	657	621	524
80	175	109	122	332	551	372	225	555	683	633	566
100	175	109	136	368	587	407	225	620	719	669	615
125	178	126	153	421	713	474	325	700	769	800	702
150	178	126	168	466	757	519	325	775	819	848	789
200	184	126	199	565	957	618	325	940	1033	948	958
250	225	197	234	626	1125	749	450	1140	1121	1119	1100
300	257	197	272	739	1213	837	450	1300	1219	1217	1272
350	257	350	297	842	1342	942	-	1485	1384	1384	1441
400	279	350	330	933	1483	1033	-	1655	1627	1627	1613
450	311	350	355	1019	1619	1119	-	1805	1719	1719	1766
500	367	380	391	1156	1806	1256	-	2000	1889	1889	1939
600	371	400	461	1338	2088	1438	-	2285	2171	2171	2273

No obligation consultation on dimensions and drawings. **CMO Valves** reserves the right to modify them at any time, at its discretion and without prior notice.

Larger sizes on request.

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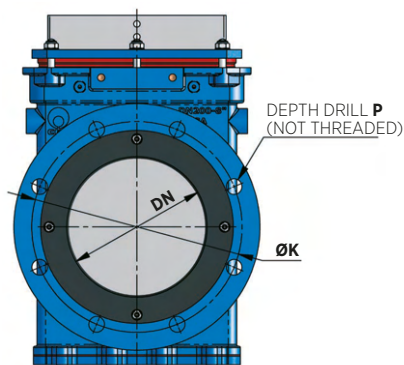
Visit our website to see the full features of the **GA Series**.

FLANGE DRILLING - GA

DN	ΔP (bar)	PN10				ASA150			
		Ø	Ød	P	ØK	Ø	Ød	P	ØK
50	16	4	18	32	125	4	3/4"	32	120,6
80	16	8	18	32	160	4	3/4"	32	152,4
100	16	8	18	32	180	8	3/4"	32	190,5
125	16	8	18	32	210	8	7/8"	32	215,9
150	16	8	22	32	240	8	7/8"	32	241,3
200	10	8	22	33	295	8	7/8"	33	298,4
250	10	12	22	35	350	12	1"	35	361,9
300	10	12	22	37	400	12	1"	37	431,8
350	10	16	22	37	460	12	1 1/8"	37	476,2
400	10	16	26	41	515	16	1 1/8"	41	539,7
450	10	20	26	45	565	16	1 1/4"	45	577,8
500	10	20	26	46	620	20	1 1/4"	46	635
600	10	20	30	49	725	20	1 3/8"	49	749,3

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Ø Through holes.



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