

TECHNICAL DATA

GH SERIES



ARNETT
ENGINEERED SOLUTIONS

ARNETT ENGINEERED SOLUTIONS
61 INNOVATION DRIVE, BAMBERG, SC 29003

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

WWW.ARNETT.COM

BIDIRECTIONAL FLANGED KNIFE GATE VALVE

DESCRIPTION

- Valve suitable for use with high pressure.
- Monoblock cast body.
- Stainless steel gate.
- Two screwed-down rubber sleeves.
- Provides high flow rates with low load loss.
- Various sealing materials available.
- Face-to-face distance in accordance with **CMO Valves** standards.

GENERAL APPLICATIONS

This knife gate valve is suitable for working at **HIGH PRESSURE** in the mining industry, in conveyance lines loaded with, for example: water with stones, mud... and is generally used for abrasive fluids in the chemical and wastewater industries.

Designed for applications such as:

- Mining.
- Thermal power stations.
- Water treatment.

SIZES

From DN80 to DN900.

Other DN's on request.

WORKING PRESSURE (ΔP)

ASA 150	DN80 - DN600	21 bar
PN25	DN80 - DN600	25 bar
ASA 300 / PN40	DN80 - DN600	40 bar

ASA 150	3" - 24"	305 psi
PN25	3" - 24"	363 psi
ASA 300 / PN40	3" - 24"	580 psi

Other pressures on request.

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

FLANGE DRILLING

- PN25, PN40.
- ANSI B16.5 (300 LB).

OTHERS COMMONLY USED

- JIS standard.
- Australian standard.
- British standard.

Others on request.

RESILIENT SEALS

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

MATERIALS

Body: GJS500-7 Cast Iron.

Gate: AISI304 or AISI316 Stainless Steel, Options for mirror-polished, PTFE-lined, or stellite-treated gates, 2205, 17-4, Alloy 20, 2507, 317L

Sealing Materials: Available in: Natural Rubber, EPDM, Nitrile, Polyurethane, 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.

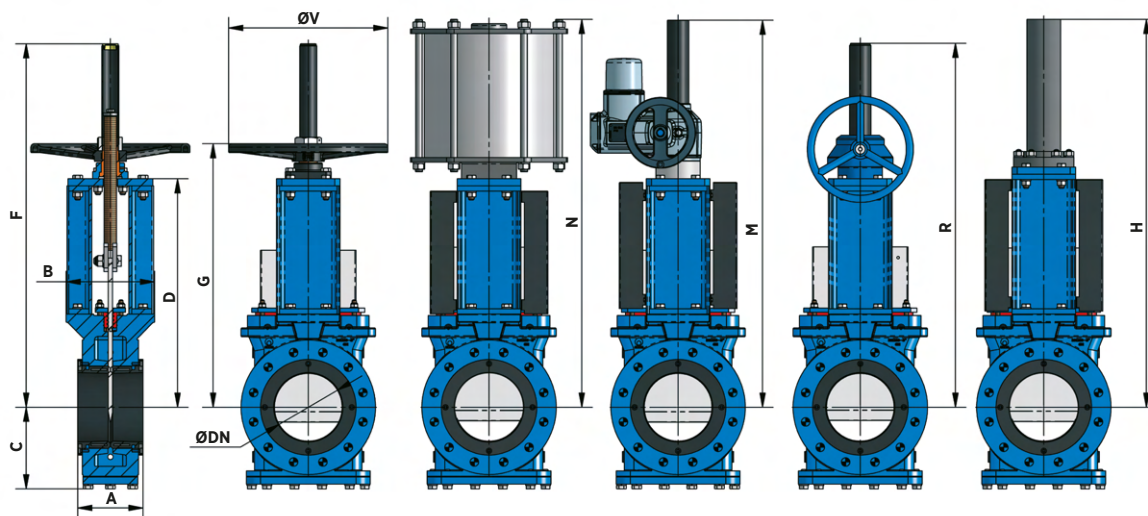
- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.



GH SERIES

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 - GH

DN	A	B	C	D	F	G	ØV	N	M	R	H
80	175	110	125	364	529	401	225	594	738	634	604
100	175	110	155	420	635	457	225	682	794	690	642
150	178	126	198	529	823	582	325	920	907	878	870
200	185	250	223	645	1024	729	-	1095	1024	1024	1060
250	226	260	279	733	1142	817	-	1276	1142	1142	1168
300	258	275	296	832	1361	916	-	1429	1361	1361	1384
350	258	290	347	934	1435	1036	-	1572	1435	1435	1551
400	279	320	376	1087	1688	1189	-	1802	1688	1688	1710
450	321	350	401	1220	1919	1456	-	2032	1919	1919	1890
500	367	350	436	1326	2100	1562	-	-	2100	2100	2219
600	371	350	515	1507	2426	1817	-	-	2426	2426	2510

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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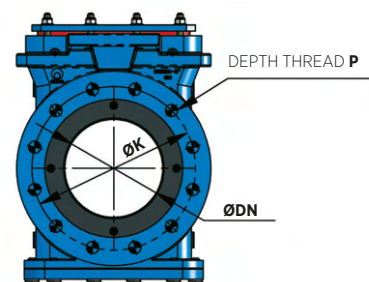
Visit our website to see the full features of the GH Series.

FLANGE DRILLING - GH

EN 1092-2 PN25						EN 1092-2 PN40						ANSI B16.5, class 300					
DN	ΔP (bar)	●	M	P	ØK	DN	ΔP (bar)	●	M	P	ØK	DN	ΔP (psi)	●	R UNC	P	ØK
80	25	8	M 16	29	160	80	40	8	M 16	29	160	3"	300	8	3/4"	1,14"	6,63"
100	25	8	M 20	32	190	100	40	8	M 20	32	190	4"	300	8	3/4"	1,26"	7,87"
150	25	8	M 24	36	250	150	40	8	M 24	36	250	6"	300	12	3/4"	1,42"	10,63"
200	25	12	M 24	36	310	200	40	12	M 27	36	320	8"	300	12	7/8"	1,42"	13"
250	25	12	M 27	38	370	250	40	12	M 30	38	385	10"	300	16	1"	1,5"	15,25"
300	25	16	M 27	38	430	300	40	16	M 30	38	450	12"	300	16	1 1/8"	1,5"	17,75"
350	25	16	M 30	40	490	350	40	16	M 33	40	510	14"	300	20	1 1/8"	1,57"	20,25"
400	25	16	M 33	44	550	400	40	16	M 36	44	585	16"	300	20	1 1/4"	1,73"	22,5"
450	25	20	M 33	50	600	450	40	20	M 36	50	610	18"	300	24	1 1/4"	1,97"	24,75"
500	25	20	M 33	50	660	500	40	20	M 39	50	670	20"	300	24	1 1/4"	1,97"	27"
600	25	20	M 36	50	770	600	40	20	M 45	50	795	24"	300	24	1 1/2"	1,97"	32"

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● Threaded holes.



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