

TECHNICAL DATA

GD SERIES



ARNETT
ENGINEERED SOLUTIONS

ARNETT ENGINEERED SOLUTIONS
61 INNOVATION DRIVE, BAMBERG, SC 29003

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

WWW.ARNETT.COM

BIDIRECTIONAL SEMI-LUG TYPE KNIFE GATE VALVE

DESCRIPTION

- 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 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 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.
- BS "D" and "E".
- JIS10K.

Others on request.

RESILIENT SEALS

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

MATERIALS

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

Gate: AISI304 or AISI316 Stainless Steel, 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.

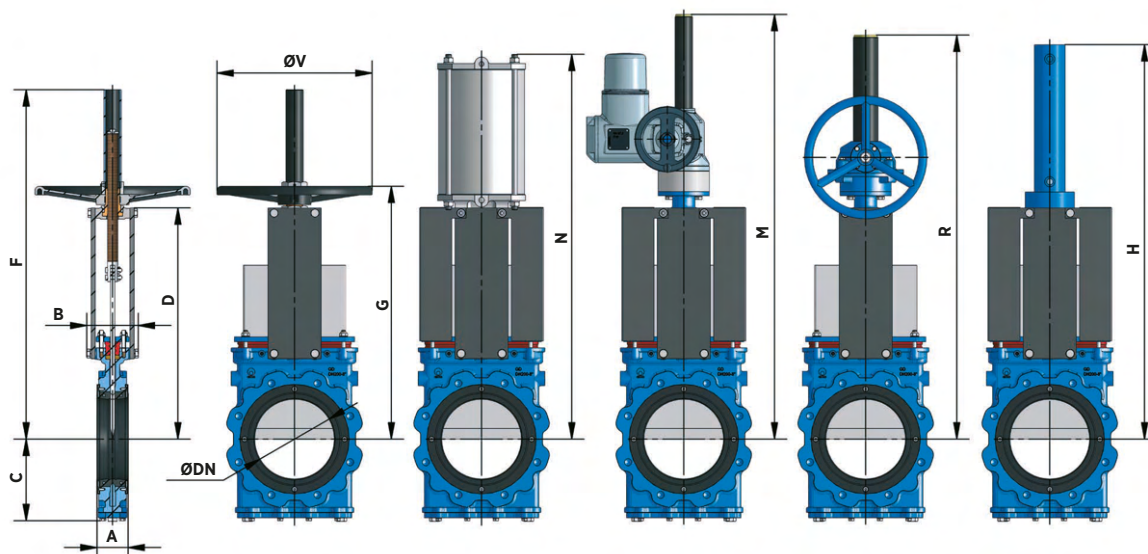


GD SERIES

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 - GD

DN	A	B	C	D	F	G	ØV	N	M	R	H
50	54	109	106	280	451	319	225	475	631	581	482
65	54	109	113	306	502	345	225	515	657	621	524
80	57	109	122	332	553	372	225	555	683	633	566
100	57	109	136	368	589	407	225	620	719	669	615
125	64	126	153	421	675	474	325	700	769	800	702
150	64	126	168	466	759	519	325	775	819	848	789
200	76	126	199	565	958	618	325	940	1033	948	958
250	76	197	234	626	1127	750	450	1140	1121	1119	1100
300	83	197	272	739	1230	838	450	1300	1219	1217	1272
350	83	350	297	842	-	-	-	1485	1384	1384	1441
400	96	350	330	933	-	-	-	1655	1627	1627	1613
450	96	350	355	1019	-	-	-	1805	1719	1719	1766
500	121	380	391	1156	-	-	-	2000	1889	1889	1939
600	121	400	461	1338	-	-	-	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.

www.arnett.com/cmo



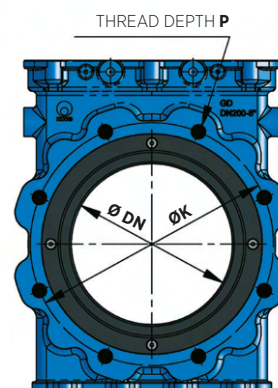
Visit our website to see the full features of the **GD Series**.

FLANGE DRILLING - GD

DN	ΔP (bar)	PN10				ASA150			
		M	P	ØK		R UNC	P	ØK	
50	16	4	M 16	14	125	4	5/8"	14	120,6
65	16	4	M 16	14	145	4	5/8"	14	139,7
80	16	8	M 16	14	160	4	5/8"	14	152,4
100	16	8	M 16	14	180	8	5/8"	14	190,5
125	16	8	M 16	15	210	8	3/4"	15	215,9
150	16	8	M 20	15	240	8	3/4"	15	241,3
200	10	8	M 20	17	295	8	3/4"	17	298,4
250	10	12	M 20	17	350	12	7/8"	17	361,9
300	10	12	M 20	20	400	12	7/8"	20	431,8
350	10	16	M 20	21	460	12	1"	21	476,2
400	10	16	M 24	23	515	16	1"	23	539,7
450	10	20	M 24	24	565	16	1 1/8"	24	577,8
500	10	20	M 24	25	620	20	1 1/8"	25	635
600	10	20	M 27	26	725	20	1 1/4"	26	749,3

Larger sizes on request.

● Threaded holes.



ARNETT

ENGINEERED SOLUTIONS



ARNETT ENGINEERED SOLUTIONS
61 INNOVATION DRIVE, BAMBERG, SC 29003

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

WWW.ARNETT.COM