

D SERIES

UNIDIRECTIONAL FLANGED KNIFE GATE VALVE

DESCRIPTION

- Unidirectional flanged gate valve (bidirectional option on request), designed for high pressure applications, with self-cleaning seal.
- One-piece die-cast body, with wedges to ensure seal and screwed down bonnet.
- Stainless steel gate.
- Provides high flow rates with low pressure drops.
- Various constructions materials and seal and stuffing materials available.
- Face-to-face distance in accordance with **CMO Valves** standards.
- An arrow is marked on the body indicating the flow direction.

GENERAL APPLICATIONS

This gate valve is suitable for working with clean liquids or liquids with a concentration of solids.

Designed for applications such as:

- Paper industry.
- Mining.
- Chemical plants.
- Pumping.
- Food industry.
- Sewage treatment.

SIZES

From DN50 to DN1200.

Other DN's on request.

WORKING PRESSURE (ΔP)

STANDARD PN2.5-PN100

Other pressures on request.

When a gate valve remains open for long periods of time and the body's internal walls are parallel, a very large torque is required to close it. The inside of the D model body has a conical shape which provides more space; moreover, the width between the faces in this type of valves is greater than standard, thus achieving more space. This way, when the valve is shut off the solids stored inside it can be easily released.

FLANGE DRILLING

- PN10.
- ANSI B16.5 (150 LB).

OTHERS COMMONLY USED

- PN6.
- PN16.
- PN25.
- PN40.
- PN64.
- PN100.
- JIS standard.
- Australian standard.
- British standard.

Others on request.

RESILIENT SEALS

- EPDM.
- NITRILE.
- FKM.
- SILICONE.
- PTFE.

*Various materials are available for the reinforced socket and the deflector (CA-15, CF8M and Ni-hard...). In some applications other types of rubber are used, such as: hypalon, butyl or natural rubber. Please contact **CMO Valves** if you have such requirements.*

DIRECTIVES

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



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

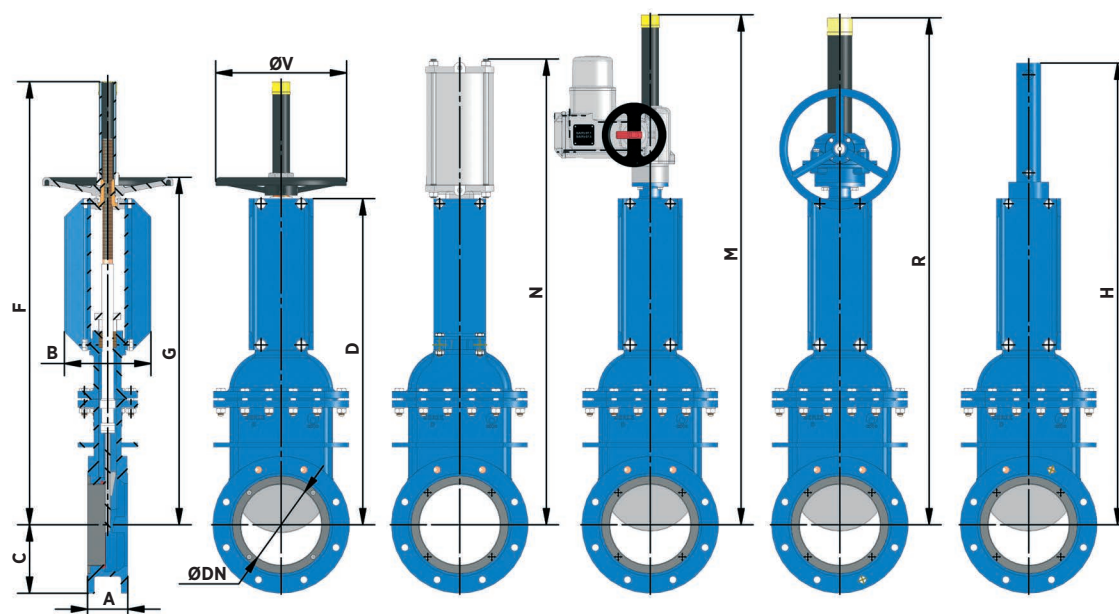
QUALITY DOSSIER

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.



D SERIES



MANUFACTURING RANGE

DN	A	B	C	D	F	G	ØV	N	M	R	H
50	70	106	83	330	498	369	225	535	642	601	546
65	70	106	93	365	574	404	225	582	702	661	597
80	70	106	100	401	570	440	225	650	737	697	667
100	70	160	110	468	637	507	225	720	792	752	742
125	90	180	127	553	772	592	225	824	864	824	844
150	90	180	140	619	838	658	225	949	957	917	955
200	100	215	170	809	1100	862	300	1167	1273	1227	1210
250	114	215	198	907	1300	960	300	1418	1370	1324	1358
300	114	215	223	1033	1425	1090	300	1603	1446	1450	1553
350	127	290	260	1166	1695	1265	402*	1774	1694	1694	1735
400	140	290	290	1372	1905	1482	402*	2083	1905	1905	2000
450	152	290	308	1472	2160	1566	402*	2184	2160	2160	2190
500	152	290	335	1670	2263	1669	402*	2410	2263	2263	2343
600	178	290	390	1825	2613	1919	402*	2759	2613	2613	2720
700	229	380	448	2210	2930	2221	402*	3144	2930	2930	3108
800	241	340	508	2490	3410	2512	402*	3574	3410	3410	3478
900	241	340	558	2690	3895	2898	402*	3944	3895	3895	3930
1000	300	350	615	2920	4052	3015	402*	-	4052	4052	4220
1200	350	520	728	3630	5120	3835	402*	-	5120	5120	5175

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.

DIMENSIONS - D

www.cmovalves.com/valves



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

FLANGE DRILLING - D

DN	ΔP (bar)	PN10				ASA150			
		●	M	P	ØK	●	R UNC	P	ØK
50	10	4	M 16	12	125	4	5/8"	12	120,6
65	10	4	M 16	12	145	4	5/8"	12	139,7
80	10	8	M 16	12	160	4	5/8"	12	152,4
100	10	8	M 16	12	180	8	5/8"	12	190,5
125	10	8	M 16	16	210	8	3/4"	16	215,9
150	10	8	M 20	16	240	8	3/4"	16	241,3
200	10	8	M 20	16	295	8	3/4"	16	298,4
250	10	12	M 20	20	350	12	7/8"	20	361,9
300	10	12	M 20	18	400	12	7/8"	18	431,8
350	10	16	M 20	19	460	12	1"	19	476,2
400	10	16	M 24	22	515	16	1"	22	539,7
450	10	20	M 24	24	565	16	1 1/8"	24	577,8
500	10	20	M 24	24	620	20	1 1/8"	24	635
600	10	20	M 27	30	725	20	1 1/4"	30	749,3
700	10	24	M 27	35	840	24	1 1/4"	35	863,6
800	6	24	M 30	35	950	28	1 1/2"	35	977,9
900	6	28	M 30	35	1050	32	1 1/2"	35	1085,9
1000	6	28	M 33	40	1160	36	1 1/2"	40	1200,2
1200	6	32	M 36	40	1380	44	1 1/2"	40	1422,4

Larger sizes on request.

● Threaded holes.

