

U SERIES

UNIDIRECTIONAL WAFER STYLE KNIFE GATE VALVE

DESCRIPTION

- Unidirectional wafer knife gate valve with Wafer design.
- One-piece cast body with guides to support gate and seat wedges.
- Provides high flow rates with low pressure drop.
- Various seat and packing materials available.
- Face-to-face dimension in accordance with **CMO Valves** standard.
- It has an arrow on the body indicating the flow direction.

GENERAL APPLICATIONS

This knife gate valve is suitable for liquids that contain a maximum of 5% suspended solids. If it is used for dry solids in gravity feed applications it should be installed with the arrow on the body pointing in the opposite direction to the flow.

Designed for applications such as:

- Paper Industry.
- Sewage treatment.
- Mining.
- Pumping.
- Silo emptying.
- Food Industry.

SIZES

From DN50 to DN800.

Other DN's on request.

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN800	3 bar

Other pressures on request.

FLANGE DRILLING

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

OTHERS COMMONLY USED

- PN 6.
- Australian standard.
- PN 16.
- JIS standard.
- PN 25.
- 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...).

DIRECTIVES

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



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

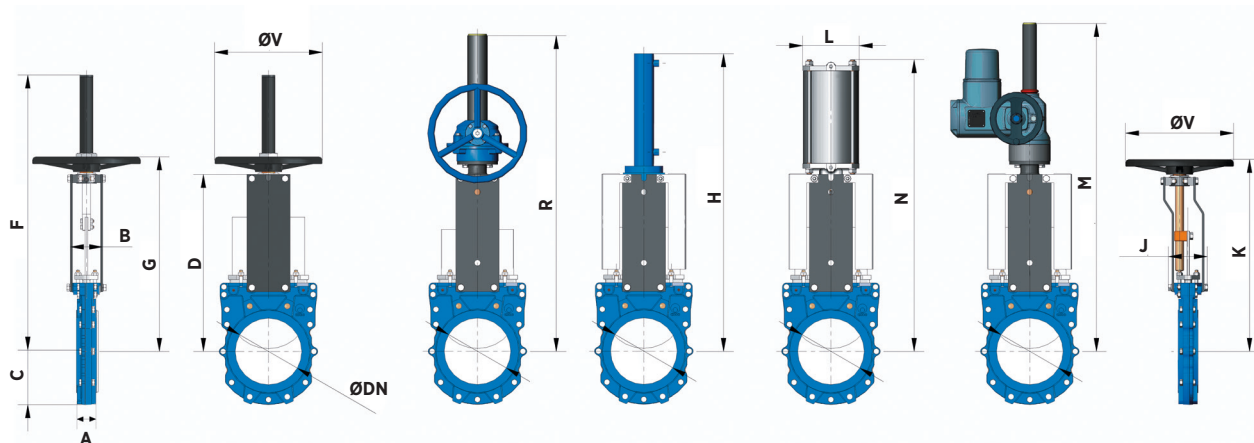
QUALITY DOSSIER

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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MANUFACTURING RANGE

DIMENSIONS - U

DN	ΔP (bar)	A	B	C	D	F	G	ØV	L	M	N	R	H	J	K
50	10	40	92	63	241	409	280	225	96	595	415	540	460	101	280
65	10	40	92	70	268	436	307	225	96	622	455	566	500	101	308
80	10	50	92	92	294	469	333	225	96	647	498	592	560	101	333
100	10	50	92	105	334	502	373	225	115	687	565	632	620	101	373
125	10	50	102	120	367	585	406	225	138	720	636	665	683	111	407
150	10	60	102	130	419	644	458	225	138	772	717	717	755	111	458
200	10	60	119	160	525	815	578	325	175	990	874	942	926	128	578
250	10	70	119	198	626	1.016	679	325	218	1.090	1.036	1.043	1.077	128	679
300	6	70	119	234	726	1.116	779	380	218	1.190	1.182	1.194	1.245	128	779
350	6	96	290	256	797	1.336	906	450	270	1.305	1.380	1.335	1.376	305	906
400	6	100	290	292	903	1.442	1.012	450	270	1.460	1.530	1.441	1.535	305	1.012
450	5	106	290	308	989	1.628	1.098	450	382	1.755	1.677	1.677	1.710	305	1.098
500	4	110	290	340	1.101	1.738	1.210	450	382	1.870	1.839	1.789	1.870	305	1.210
600	4	110	290	400	1.307	2.046	1.416	450	382	2.045	2.146	2.045	2.175	305	1.416

FLANGE DRILLING - U

DN	PN10					ASA150				
	●	○	M	P	ØK	●	○	M UNC	P	ØK
50	4	-	M 16	8	125	4	-	5/8"	8	120,6
65	4	-	M 16	8	145	4	-	5/8"	8	139,7
80	4	4	M 16	9	160	4	-	5/8"	9	152,4
100	4	4	M 16	9	180	4	4	5/8"	9	190,5
125	4	4	M 16	9	210	4	4	3/4"	9	215,9
150	4	4	M 20	10	240	4	4	3/4"	10	241,3
200	4	4	M 20	10	295	4	4	3/4"	10	298,4
250	6	6	M 20	12	350	6	6	7/8"	12	361,9
300	6	6	M 20	12	400	6	6	7/8"	12	431,8
350	10	6	M 20	21	460	8	4	1"	21	476,2
400	10	6	M 24	21	515	10	6	1"	21	539,7
450	14	6	M 24	22	565	10	6	1 1/8"	22	577,8
500	14	6	M 24	22	620	14	6	1 1/8"	22	635
600	14	6	M 27	22	725	14	6	1 1/8"	22	749,3

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.

- Threaded holes.
- Through holes.

