

L SERIES

THROUGH CONDUIT BIDIRECTIONAL WAFER STYLE KNIFE GATE VALVE

DESCRIPTION

- Die-cast body, comprising two bolted parts, with internal guides for smooth movement of the gate during operation.
- Provides high flow rates with low load loss.
- Various constructions materials and seal and stuffing materials available.
- Stainless steel gate.
- Face-to-face distance in accordance with **CMO Valves** standards.

GENERAL APPLICATIONS

This knife gate valve is suitable for liquids that contain a maximum of 20% suspended solids. It is also recommended in gravity discharge applications in solid and powder silos, due to the "crescent" shape on the gate, which cuts through flow and high consistency fluids.

Designed for applications such as:

- Paper Industry - Long Fibre.
- Mining.
- Chemical plants.
- Food industry.
- Sewage treatment.

SIZES

From DN50 to DN2000.

Other DN's on request.

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1400	3 bar

Other pressures on request.

FLANGE DRILLING

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

OTHERS COMMONLY USED

- PN6.
- PN16.
- PN25.
- BS "D" and "E".
- ANSI 150

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**.

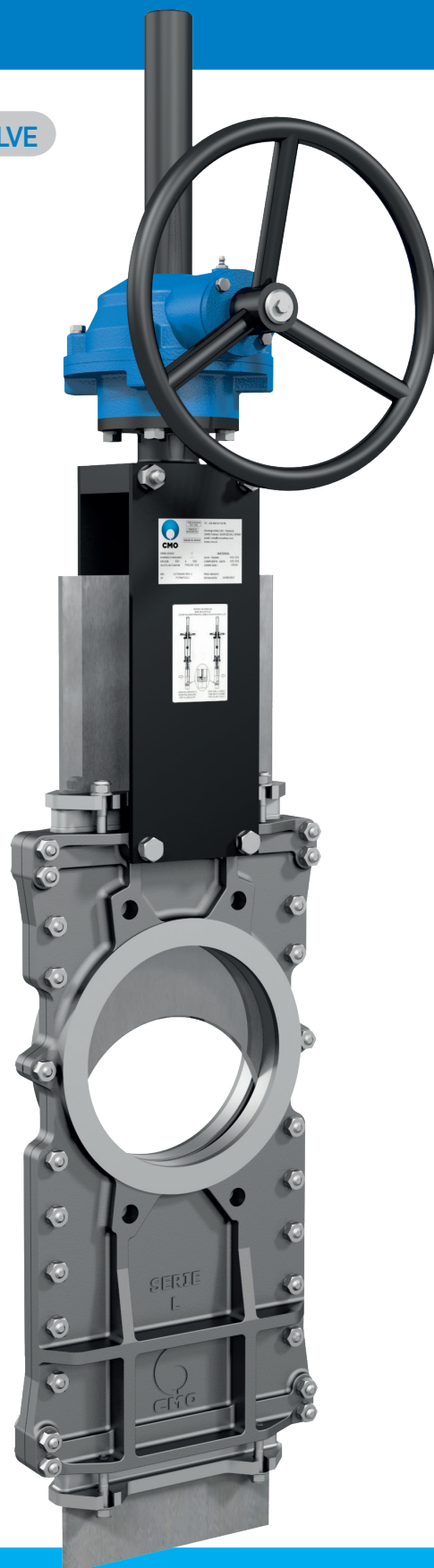


*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

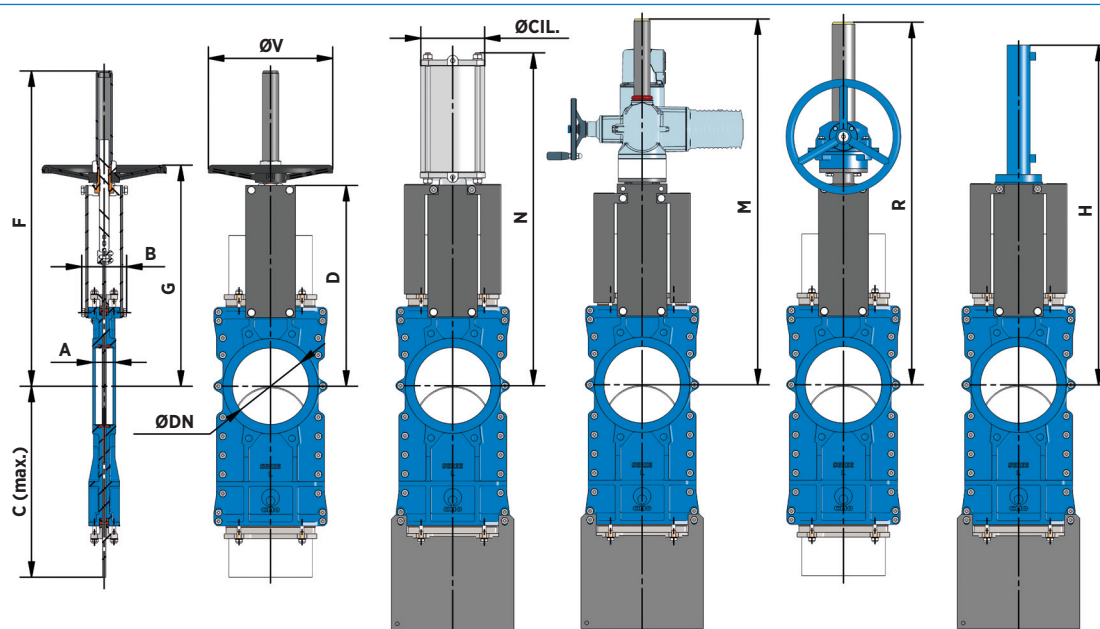
QUALITY DOSSIER

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

DN	A	B	C	D	F	G	ØV	N	ØCIL.	M	R	H
50	40	91	225	243	412	282	225	416	80	587	540	459
65	40	91	265	269	437	308	225	456	80	614	566	500
80	50	91	310	293	462	332	225	497	80	640	591	559
100	50	91	370	334	503	373	225	561	100	680	631	620
125	50	101	430	367	586	407	225	636	125	713	665	683
150	60	101	495	419	638	458	225	717	125	765	717	755
200	60	118	630	525	816	578	325	874	160	880	943	927
250	70	118	770	620	1017	679	325	1030	200	981	1037	1071
300	70	118	895	704	1117	779	380	1160	200	1141	1171	1223
350	96	290	1050	780	1337	906	450	1364	250	1347	1318	1360
400	100	290	1185	855	1443	1012	450	1482	250	1550	1393	1484
450	106	290	1320	975	1629	1098	450	1662	300	1847	1662	1693
500	110	290	1455	1064	1741	1210	450	1802	300	1959	1752	1832
600	110	290	1720	1244	2047	1416	450	2081	300	2165	1981	2111
700	110	320	1995	1425	-	-	-	2400	350	2451	2320	2444
800	110	320	2230	1615	-	-	-	2693	350	2665	2610	2734
900	110	320	2465	1823	-	-	-	3037	400	2998	2913	3042
1000	110	320	2620	1992	-	-	-	3306	-	3178	3206	3351
1100	150	340	3030	2217	-	-	-	3587	-	3675	3777	3560
1200	150	340	3250	2351	-	-	-	3868	-	4042	4042	3910

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 - L

www.cmovalves.com/valves



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

FLANGE DRILLING - L

DN	ΔP (bar)	PN10					ASA150				
		●	○	M	P	ØK	●	○	R UNC	P	ØK
50	10	4	-	M 16	8	125	4	-	5/8"	8	120,6
65	10	4	-	M 16	8	145	4	-	5/8"	8	139,7
80	10	4	4	M 16	9	160	4	-	5/8"	9	152,4
100	10	4	4	M 16	9	180	4	4	5/8"	9	190,5
125	10	4	4	M 16	9	210	4	4	3/4"	9	215,9
150	10	4	4	M 20	10	240	4	4	3/4"	10	241,3
200	10	4	4	M 20	10	295	4	4	3/4"	10	298,4
250	10	8	4	M 20	12	350	8	4	7/8"	12	361,9
300	6	8	4	M 20	12	400	8	4	7/8"	12	431,8
350	6	12	4	M 20	21	460	8	4	1"	21	476,2
400	6	12	4	M 24	21	515	12	4	1"	21	539,7
450	5	16	4	M 24	22	565	12	4	1 1/8"	22	577,8
500	4	16	4	M 24	22	620	16	4	1 1/8"	22	635
600	4	16	4	M 27	22	725	16	4	1 1/4"	22	749,3
700	3	20	4	M 27	22	840	24	4	1 1/4"	22	863,6
800	3	20	4	M 30	22	950	24	4	1 1/2"	22	977,9
900	3	24	4	M 30	20	1050	28	4	1 1/2"	20	1085,9
1000	3	24	4	M 33	20	1160	32	4	1 1/2"	20	1200,2
1200	3	28	4	M 36	20	1380	40	4	1 1/2"	20	1422,4

Larger sizes on request.

- Threaded holes.
- Through holes.

