

FK SERIES

UNIDIRECTIONAL KNIFE GATE VALVE WITH COVER

DESCRIPTION

- One-piece EXTRA-WIDE cast body interior slides for optimum movement of the knife during operation and seal wedges.
- Various constructions materials and seal and stuffing materials available.
- Stainless steel gate.
- Face-to-face distance in accordance with **CMO Valves** standards.
- An arrow is marked on the body indicating the flow direction.
- Flushing holes in the body.

GENERAL APPLICATIONS

This knife gate valve is suitable for working with dry products such as powder and grain. It is completely seal tight, meaning it is recommended for toxic and hazardous fluids. Generally used in gravity discharge of dry solids.

Designed for applications such as:

- Storage, silos.
- Mining.
- Chemical plants.
- Food industry.
- Drying plants

SIZES

From DN50 to DN1200.

Other DNs on request.

WORKING PRESSURE (ΔP)

DN50-DN250	10 bar
DN300-DN400	6 bar
DN450	5 bar
DN500-DN600	4 bar
DN700-DN1200	3 bar

Other pressures on request.

This valve is usually mounted under a hopper. To prevent any type of solids from accumulating in the seat, the valve has a special body design and will be mounted with the body arrow in the same direction as the flow.

FLANGE DRILLING

- PN10.
- ANSI B 16.5 (class 150).

OTHERS COMMONLY USED

- PN6.
- PN16.
- PN25.
- BS "D" and "E".
- JIS10K.

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.*

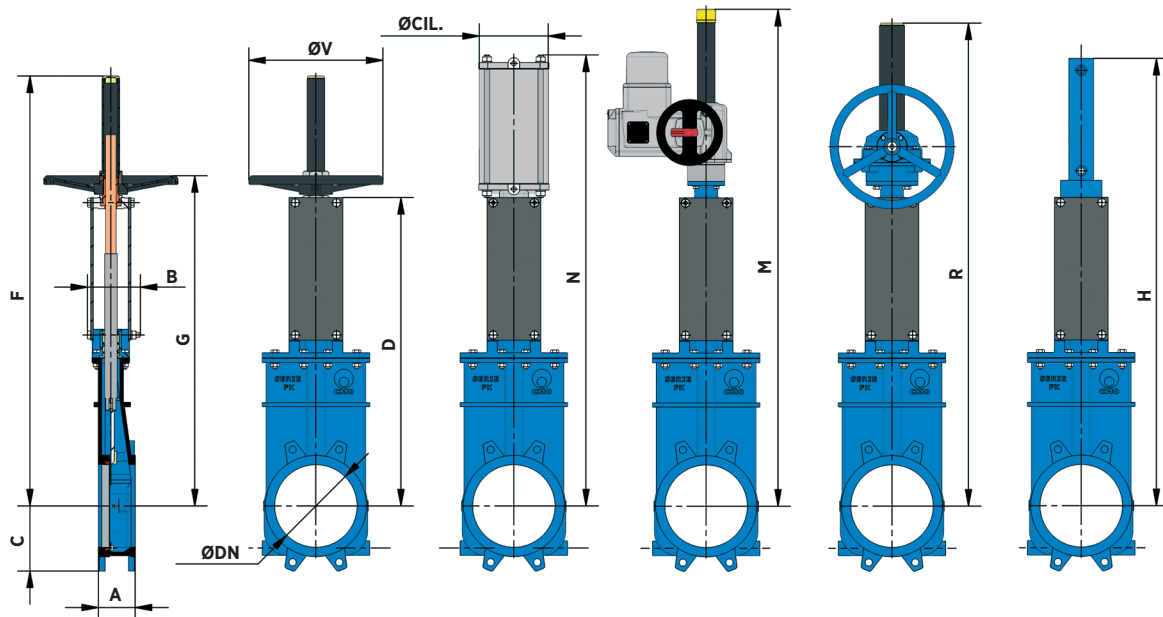
QUALITY DOSSIER

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.



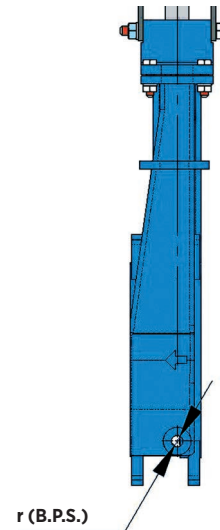
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MANUFACTURING RANGE

DIMENSIONS - FK

DN	A	B	C	D	F	G	ØV	N	ØCIL.	M	R	H	r (B.S.P.)
50	60	91	61	323	492	362	225	498	80	674	620	539	1/4"
65	60	91	68	362	531	401	225	550	80	713	659	593	1/4"
80	64	91	91	404	573	443	225	608	80	755	701	670	1/4"
100	64	91	104	453	622	492	225	680	100	804	750	739	1/4"
125	70	101	118	511	730	550	225	774	125	862	808	827	3/8"
150	76	101	130	574	793	613	225	866	125	925	871	906	3/8"
200	89	118	158	745	1036	798	325	1090	160	1209	1164	1146	3/8"
250	114	118	196	880	1271	933	325	1287	200	1344	1299	1331	1/2"
300	114	118	230	1005	1396	1058	380	1462	200	1469	1424	1545	1/2"
350	127	290	255	1141	1681	1250	450	1724	250	1648	1680	1720	1/2"
400	140	290	290	1266	1806	1375	450	1899	250	1823	1805	1895	1/2"
450	152	290	306	1393	2033	1502	450	2081	300	2160	2082	2112	1/2"
500	152	290	340	1529	2169	1638	450	2267	300	2296	2218	2297	1/2"
600	178	290	398	1782	2522	1891	450	2620	300	2549	2471	2650	1/2"
700	178	320	453	2105	2967	2217	-	3085	350	3000	3000	3124	1/2"
800	178	320	503	2376	3338	2488	-	3455	350	3371	3371	3495	1/2"
900	178	320	583	2655	3717	2767	-	3870	400	3745	3745	3874	1/2"
1000	178	320	613	2935	4097	3047	-	4249	400	4149	4149	4294	1/2"
1200	203	340	728	3440	4802	3552	-	4957	400	4866	4866	4995	1/2"



FLANGE DRILLING - FK

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	22	1380	40	4	1 1/2"	20	1422,4

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.

www.cmovalves.com/valves



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