

gate valve with double acting pneumatic actuator series A1N2

DESCRIPTION

- Bidirectional valve with one-piece cast body and seat inserted in valve.
- Its design provides a completely flat seat with no internal cavities and full passage so that it does not interfere with fish passage.
- Stainless steel gate.
- High flow rates with low load losses.
- Various constructions materials and seal and packing materials available.
- Face-to-face distance in accordance with **CMO Valves** standards.

GENERAL APPLICATIONS

This knife gate valve is designed for Fish farms and it is suitable for transferring alive fish.

Designed for applications such as:

- Fish farming industries
- Fishing plants
- Fish farm plants
- Fish feeding plants
- ...

In all these applications the installation of the valve is recommended once the fluid has been filtered so the solids or big particles are eliminated.

SIZES

From DN50 to DN600.

Other DN's on request.

WORKING PRESSURE (ΔP)

DN50-DN200	10 bar
DN250-DN400	6 bar
DN450	5 bar
DN500	4 bar
DN600	3 bar

Other pressures on request.

FLANGE DRILLING

- EN 1092 PN10.
- ASME B16.5 (class 150).

OTHERS COMMONLY USED

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

Others on request.

BODY

- Nodular iron GJS500
- Stainless steel CF8M
- Others on request (Duplex SAF2205, Superduplex SAF2507, etc.)

RESILIENT SEALS

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

In some applications other types of resilient materials are used, such as hypalon, butile or natural rubber. Please contact us if you have such requirements.

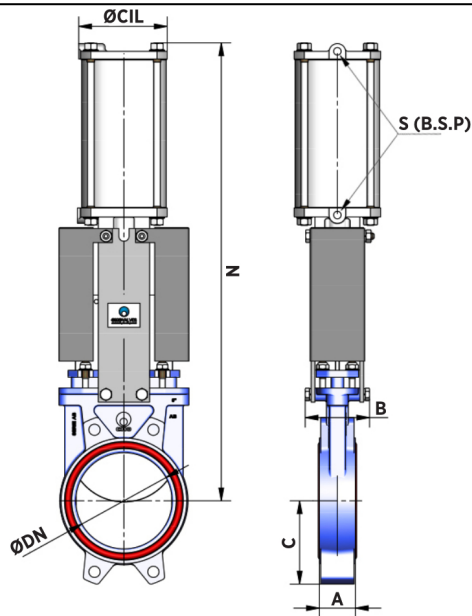
DIRECTIVES

QUALITY DOSSIER

All valves are tested hydrostatically at **CMO Valves** according to our manufacturing and quality protocols, material and test certificates can be provided.

- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.





Other type of actuators available:

- Handwheel
- Gear box
- Electric actuator
- Hydraulic actuator
- ...

MANUFACTURING RANGE

DIMENSIONS - AB

DN	A	B	C	N	ØCIL.	S (B.S.P.)
50	40	91	61	400	80	1/4"
65	40	91	68	442	80	1/4"
80	50	91	91	483	80	1/4"
100	50	91	104	546	100	1/4"
125	50	101	118	630	125	1/4"
150	60	101	130	692	125	1/4"
200	60	118	159	869	160	1/4"
250	70	118	196	1032	200	3/8"
300	70	118	230	1182	200	3/8"
350	96	290	254	1379	250	3/8"
400	100	290	287	1535	250	3/8"
450	106	290	304	1677	300	1/2"
500	110	290	340	1839	300	1/2"
600	110	290	398	2145	300	1/2"

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.

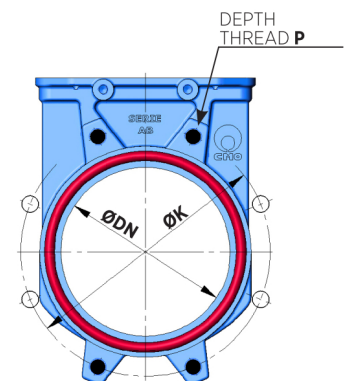
Larger sizes on request.

FLANGE DRILLING - AB

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	6	6	M 20	12	350	6	6	7/8"	12	361,9
300	6	6	6	M 20	12	400	6	6	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

Larger sizes on request.

- Threaded holes.
- Through holes.



illustrations are non-binding
all designs, configurations, measurements and materials are subject to change without prior notice