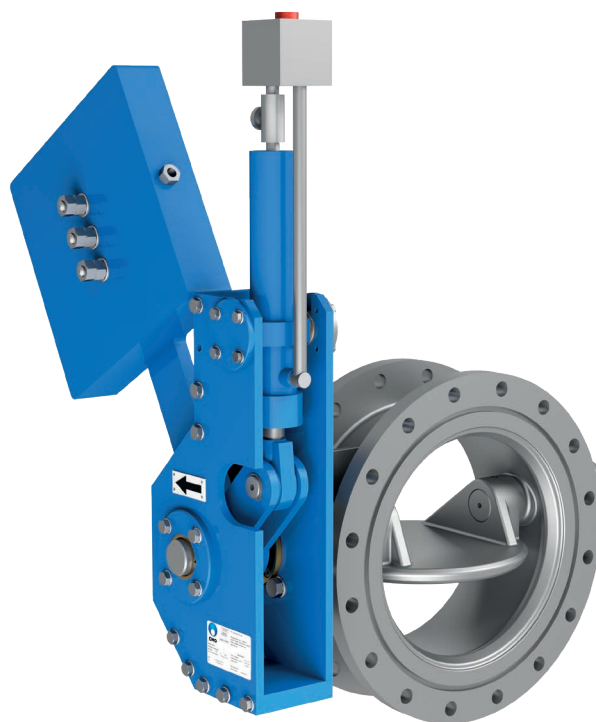
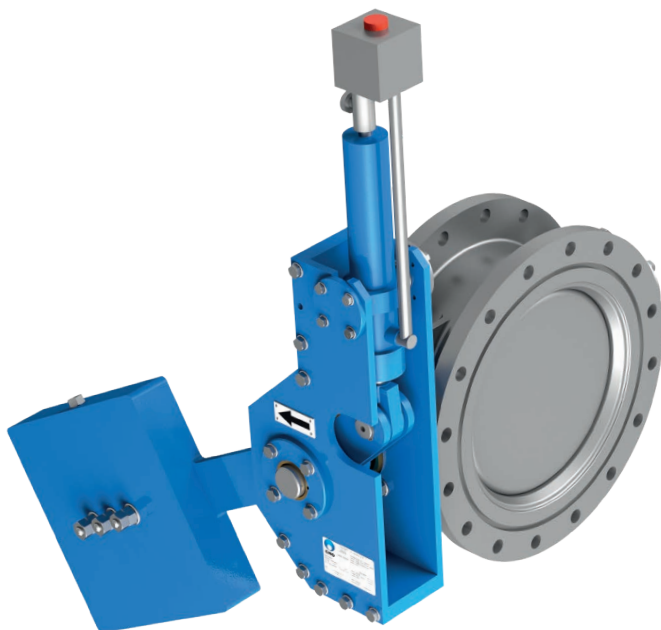


RT SERIES

DOUBLE ECCENTRIC DISC CHECK VALVE



RT SERIES

DESCRIPTION

- Disc check valve with dual eccentricity and straight seat.
- Possibility of manufacturing Wafer type or with flange boring in accordance with customer requirements.
- These valves are fitted with an arrow indicating the direction of flow.
- The **RT** check valve allows the fluid to flow through in one direction; it opens by the fluid passing through and closes due to the weight of the returning fluid, the weight of the disc and the counterweight.
- There is a hydraulic cylinder with damper in the last 10% of the closing.
- Option of regulating closing time with a regulation valve.
- The disc cannot be stopped in intermediate positions.

GENERAL APPLICATIONS

The check valve is suitable for working in line and as a safety valve in cases of emergency.

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.

SIZES

From DN150 to DN2000.

Other DN's on request.

WORKING PRESSURE (ΔP)

The maximum working pressure is the height of the penstock gate, because these gates have seals on 3 sides, it would overflow above the gate if the fluid were higher than the gate.

FLUID SPEED

The maximum fluid speed these valves can work at is 4.9 m/s (in accordance with standard AWWA C 504).

JOINT FLANGES

There are two options to secure these valves to the duct:

- Union between flanges, the valve is manufactured with Wafer type design.
- Bolting the flanges, the valve is manufactured with drilled flanges in accordance with the standard requested by the customer.

In both variants, the valves are designed for flange attachment in accordance with specific standards. The most usual are as follows:

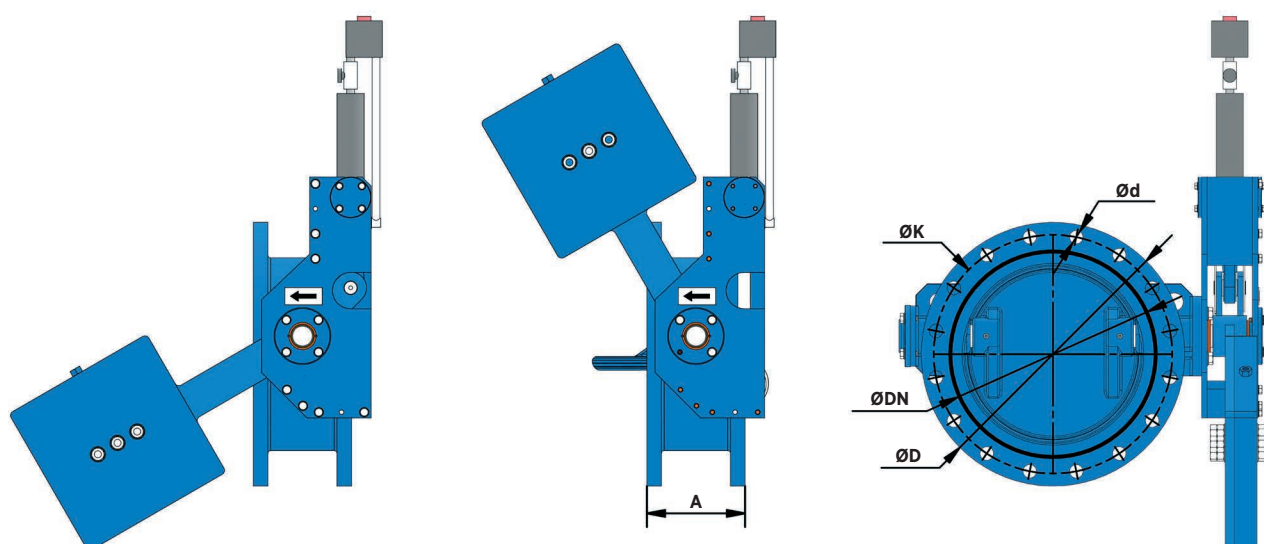
- PN10/ANSI 150/PN6/PN16/PN25.
- Australian standard.
- British standard.
- JIS standard.

DIRECTIVES

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



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



MANUFACTURING RANGE

DIMENSIONS - R

DN	FLANGE DRILLING in accordance with EN 1092- 2 PN10				
	A	Qty.	Ød	ØD	ØK
150	140	8	22	315	240
200	152	8	22	340	295
250	165	12	22	395	350
300	178	12	22	445	400
350	190	16	22	505	460
400	216	16	26	565	515
450	222	20	26	615	565
500	229	20	26	670	620
600	267	20	30	780	725
700	292	24	30	895	840
800	318	24	33	1015	950
900	330	28	33	1115	1050
1000	410	28	36	1230	1160
1200	470	32	39	1455	1380
1400	530	36	42	1675	1590
1600	600	40	48	1915	1820
1800	670	44	48	2115	2020
2000	760	48	48	2325	2230

According to the flange standard (DIN PN10, PN6, PN16, PN25, PN64, ANSI150...).

► Width between faces according to EN 558 Table 2 Series 13.

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.

The check valves are unidirectional and have an arrow marked on the body indicating the flow direction.

CHARACTERISTICS:

- Designed to withstand the same pressure and back pressure.
- They always have a damper and counterweight.
- Reinforced design.
- Possibility of regulating the closing time.
- The disc cannot be stopped in intermediate positions.
- The final 10% of closing stroke cushioned.
- Use hydraulic oil.

