

# ME SERIES

## DOUBLE ECCENTRIC BUTTERFLY VALVE

### DESCRIPTION

- Unidirectional butterfly valve with double eccentricity.
- Various construction materials and seals available.

Two options for width between faces:

- **Short series:** according to EN558 SERIES 13.
- **Long series:** according to EN558 SERIES 14.

It has an arrow on the body indicating the flow direction.

The main characteristic of the **ME** butterfly valve is the double eccentric design. The rotation shaft is offset from the central plane of the clapper and in turn is also offset from the central plane of the valve body thus obtaining double eccentricity.

A highly effective sealing system is achieved thanks to this dual eccentricity. As soon as the valve starts to open, the elastomer seal is no longer pressed and does not come into contact with the body.

### GENERAL APPLICATIONS

The butterfly valve is suitable for working in line and as a safety valve in emergency cases. It is widely used in pressure pipes in hydroelectric plants.

### SIZES

From DN200 to DN3000.

*Other DN's on request.*

### WORKING PRESSURE ( $\Delta P$ )

The differential pressure ( $\Delta P$ ) these valves can work at is very variable; they are designed for the specific needs of each project, but can be designed to withstand pressures of up to 100 bar.

### Fluid speed

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

### DIRECTIVES

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

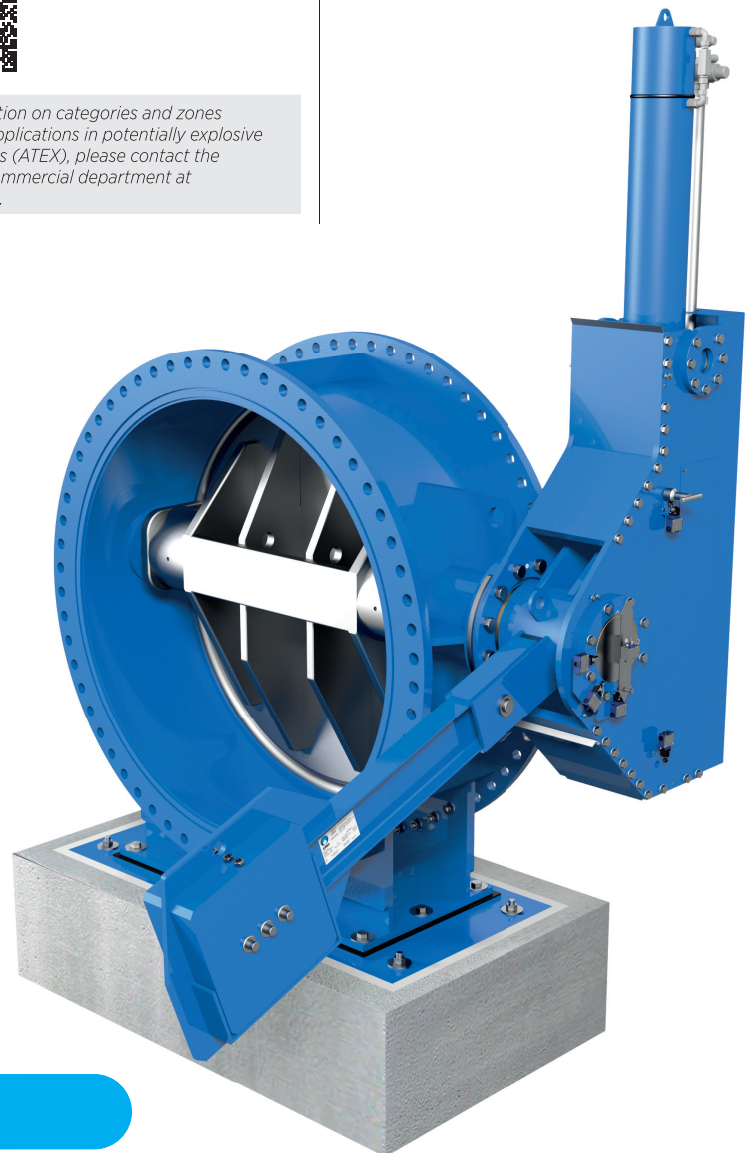


*For information on categories and zones related to applications in potentially explosive atmospheres (ATEX), please contact the technical-commercial department at **CMO Valves**.*

### QUALITY DOSSIER

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

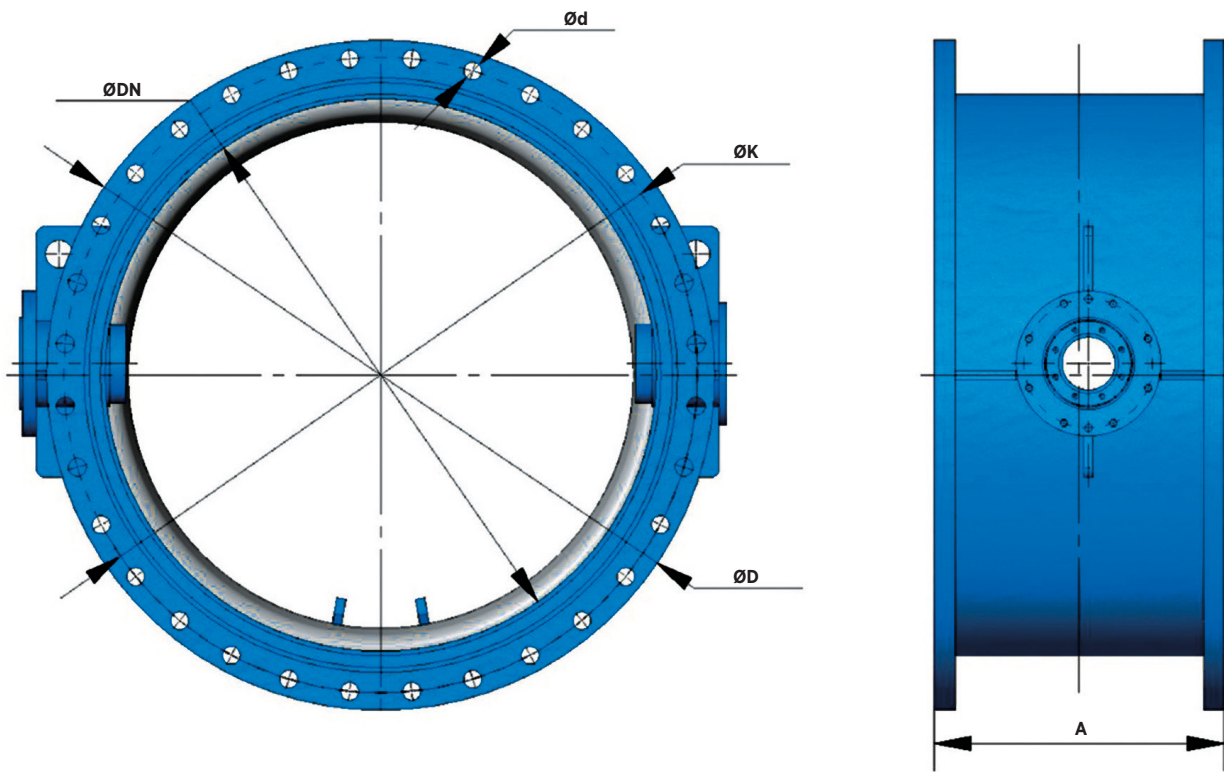
- Body test = working pressure x 1.5.
- Seal test = working pressure x 1.1.



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As part of a process of on-going product and service development, **CMO Valves** reserves the right to amend and change the data and content of this document at its discretion at any time without notice. The publication of the latest revision renders all previous documents invalid.

Installation and Maintenance Manual available at [www.cmovalves.com](http://www.cmovalves.com).



INFORMATION AND DIMENSIONS OF FLANGES AND BETWEEN FACES

DIMENSIONS - ME

DN	FLANGE DRILLING in accordance with EN 1092- 2 PN10					
	A1	A2	Qty.	Ød	ØD	ØK
200	152	230	8	22	340	295
250	165	250	12	22	395	350
300	178	270	12	22	445	400
350	190	290	16	22	505	460
400	216	310	16	26	565	515
500	229	350	20	26	670	620
600	267	390	20	30	780	725
700	292	430	24	30	895	840
800	318	470	24	33	1015	950
900	330	510	28	33	1115	1050
1000	410	550	28	36	1230	1160
1200	470	630	32	39	1455	1380
1400	530	710	36	42	1675	1590
1600	600	790	40	48	1915	1820
1800	670	870	44	48	2115	2020
2000	760	950	48	48	2325	2230
2200	-	1030	52	56	2550	2440
2400	-	1110	56	56	2760	2650
2600	-	1190	60	56	2960	2850
2800	-	1270	64	56	3180	3070
3000	-	1350	68	62	3405	3290

CMO Valves's butterfly Valves ME have two distances between faces (Dimensions "A1" and "A2" fig. 28) long and short series.

Flange drilling varies depending on customer needs, but is commonly carried out in accordance with standard EN 1092-2 PN10.

[www.cmovalves.com/valves](http://www.cmovalves.com/valves)



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