

# MC-MR SERIES

## UNIDIRECTIONAL OR BIDIRECTIONAL WALL TYPE PENSTOCK

### DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Round, square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various construction materials and seals available.
- Designed generally to be installed supported on walls with chemical or expansion anchors.

### GENERAL APPLICATIONS

This wall penstock is designed for installation in orifices in walls. The orifice can be rectangular, round or square; this penstock has a 4-sided seal. It is suitable to work with clean liquids or loaded with solids.

Designed for applications such as:

- Irrigation.
- Conduits.
- Hydroelectric power stations.
- Water treatment.

### SIZES

From 150 x 150 to 3000 x 3000 (MC).  
From DN150 to DN3000 (MR).

To ascertain the general dimensions of a wall type penstock consult **CMO Valves**.

*Other DNs on request.*

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

Maximum working pressure adapts to the needs of the customer in every project. These penstocks are designed to comply with working conditions in the place of installation.

### BUILDING WORK:

Standard wall type penstocks **MC/MR** from **CMO Valves** are designed to be secured to the wall using chemical or expansion anchors. The boreholes necessary for attachment are made when assembling, using the body of the penstock as a guide.

### TIGHTNESS

The watertight integrity of **MC** descending gates complies with that set out in regulation DIN 19569, class 5 of leaks.

### RESILIENT SEALS

- EPDM.
- NITRILE.
- SILICONE.
- NATURAL RUBBER.

*In some applications other types of rubber are used, such as: hypalon, butyl... Please contact in case you have such a requirement.*

### DIRECTIVES

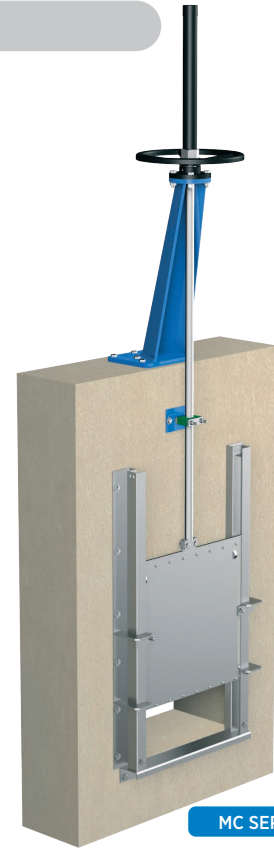
See document of directives applicable to **CMO Valves**.



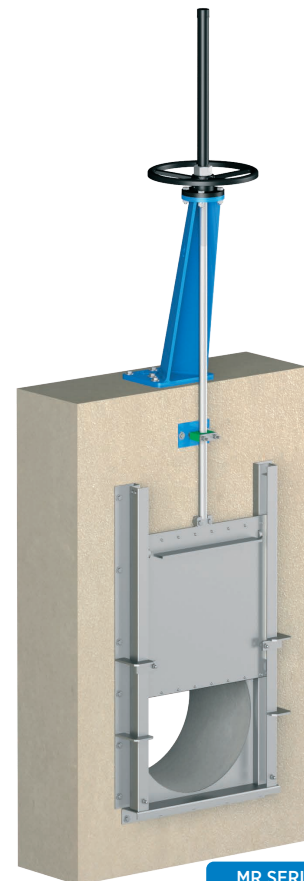
*For further information on categories and zones please contact **CMO Valves**. Technical-Commercial Department.*

### QUALITY DOSSIER

- The tightness of the seat area is measured with gauges.
- Material and testing certificates can be supplied on request.



MC SERIES



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