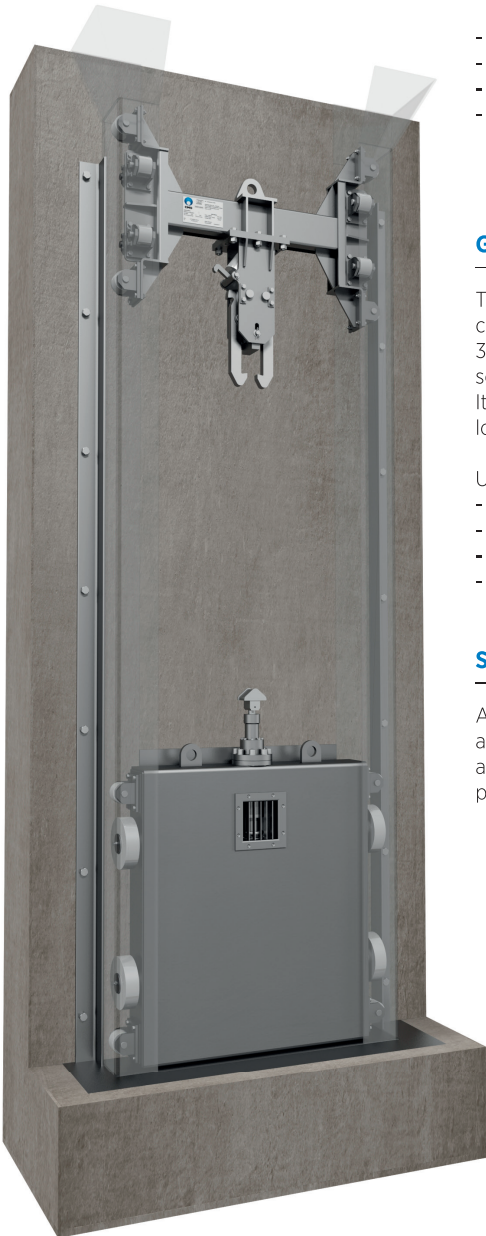


# AT SERIES

## UNIDIRECTIONAL / BIDIRECTIONAL STOP GATE



### DESCRIPTION

- Penstock for clean liquids or loaded with solids.
- Square or rectangular penstock design.
- Option of unidirectional or bidirectional.
- Various sealing materials available.
- Usual design to embed in the sides of the channel or in walls using chemical or expansion anchors.

### GENERAL APPLICATIONS

This stop gate is designed to work in open channels or in orifices in walls, and has a 3-sided seal (base and sides) or a 4-sided seal (base, sides and lintel). It is suitable to work with clean liquids or loaded with solids.

Used mainly in:

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

### SIZES

All dimensions can be manufactured in accordance with customer's needs. To ascertain the general dimensions of a penstock consult with **CMO Valves**.

### 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 installation for **CMO Valves AT** stop gates is to build pockets in the channel in order to introduce the frame and secure it to the channel by cementing. It can also be designed to be secured to the wall through chemical or expansion anchors. The boreholes necessary to secure to the concrete are made when assembling, using the frame of the penstock as a guide. These gates can be manufactured to order in line with customer requirements.

### TIGHTNESS

The tightness of the **AT** channel penstocks complies with that set out in regulation DIN 19569, class 5 of leaks.

### 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

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

## AT SERIES

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).