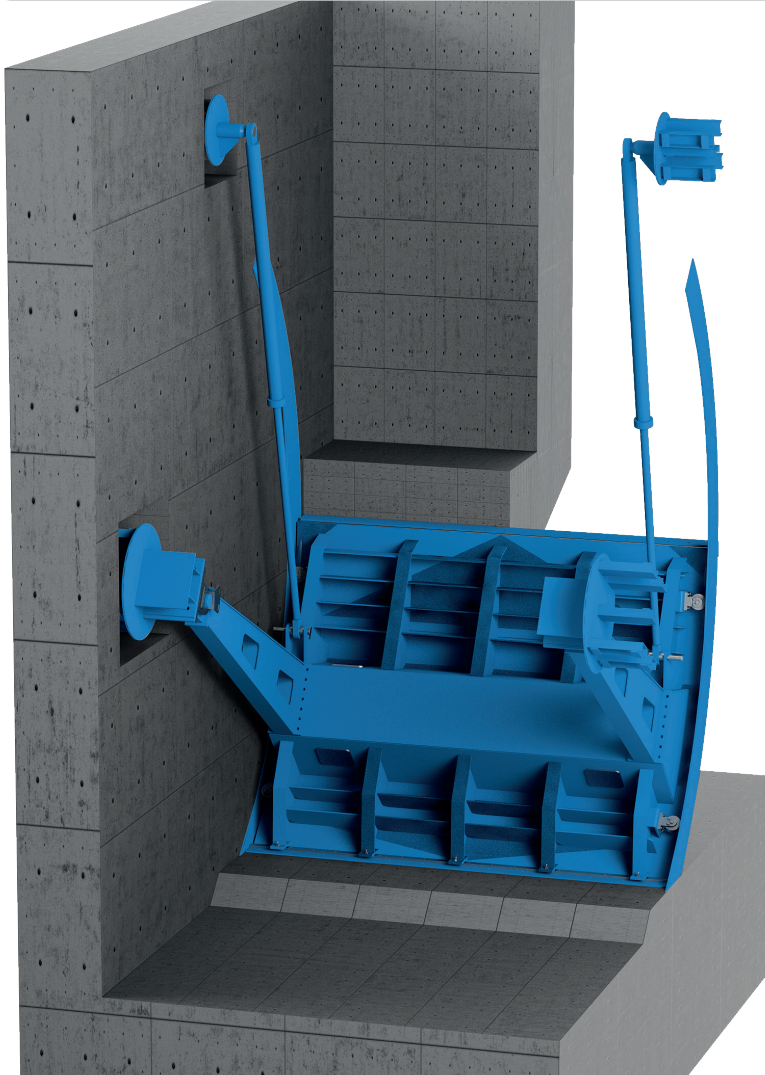


CT SERIES

TAINTOR TYPE RADIAL GATE



CT SERIES

DESCRIPTION

- Mechanically welded stopboard with sectoral shape. Fitted with side wheels to guarantee correct guiding of the penstock throughout its run.
- The stopboard is fitted with arms for swivelling and to radially transmit the hydraulic thrust to the concrete through the embedded turning points
- Square or rectangular section penstock valve.
- Various construction materials available.
- Option of 3- or 4-side tightness.

GENERAL APPLICATIONS

There are two main types of design within the radial penstocks:

- **3-Side Seal:** Designed for installation in dam channels or spillways. They are used for water level control; with this design the fluid can overflow above the stopboard.
- **4-SIDE SEAL:** Designed for installation in water connection points or bottom outlets. They are used as a regulation element.

Designed for use in dams and reservoirs.

SIZES

The construction sizes for this type of penstocks are adapted to the needs of each particular project.

WORKING PRESSURE (ΔP)

As is the case with the dimensions of the penstock, the working ΔP is also adapted in accordance with the specific needs of each project.

BUILDING WORK

Given the large dimensions of the **CT** radial penstock and the high hydraulic forces they have to withstand, the most common assembly system (recommended by **CMO Valves**) is with the turn points embedded in concrete hormigón. This type of assembly requires a series of gaps in the civil engineering work for the installation of the penstock.

RESILIENT SEALS

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

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

When the penstock is designed for a channel or spillway, it will have seals on the base and in the two sides, known as a 3-side seal. In this case the elastomer profiles are attached to the stopboard and close against the stainless steel strips which are secured in the civil engineering work.