



Especialistas en mecánica de fluidos

PENSTOCKS



INTRODUCTION:

In any water treatment or purification plant, there is a continuous need to isolate or regulate the flow of water in the channels and manholes or holes in walls (wall gates). This function is carried out by means of the placement of gates and cofferdams.

The result of our experience is the establishment of a standardization that determines a satisfactory result with a simple construction. For this reason, Filtramas has been developing the manufacture of penstocks and flashboards.

Filtramas manufactures channel gates, wall gates and weir gates for different applications and uses.

DESCRIPTION:

Filtramas manufactures channel hatches, wall hatches and cofferdams for different applications and uses.

- **Board:** manufactured in different materials (A42b, AISI 304, AISI 316) according to the application and customer needs. Large dimensions or high pressures of liquids are reinforced with plate or laminated profile.
- **Frame:** It is built in folded laminated profiles to provide robustness and avoid possible deformations. It is manufactured in the same material as the board.
- **Locks or seats:** Filtramas manufactures different types of closures for different applications. As standard, it has the following closures: single NBR, double stainless steel-brass NBR, double stainless steel-bronze NBR, double bronze-bronze NBR. The closing is secured by means of wedges with adjustable clamping device.



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- **Guides:** When the gate moves out of the watertight zone, its slide is secured with guides. In large sizes, the gates are equipped with wheels sliding on square rails.
- **Spindle:** Constructed in carbon steel or 304 or 316 stainless steel, it can be manufactured with metric or trapezoidal thread and one or two inputs. It can also be fixed, allowing the gate to be moved only or it can be moved with it, depending on the installation.

OPCIONAL FEATURES:

- Protection of the control devices by means of a sheet metal fairing.
- Placement of limit switches for signalling the position of the gate.

DRIVE TYPES:

- Manual override (handwheel and spindle).
- Electric drive.
- Pneumatic drive.
- Hydraulic drive.

GENERAL DIMENSIONS:

