

# Waste Water Treatment

## Penstocks PAR



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## Description ▼

Penstocks PAR mainly consist of a steel frame, a steel gate, a neoprene sealing system sliding inside the frame, a stem, and a manual drive system complete with control wheel.

Penstocks are normally used for a number of operations in both municipal and industrial waste water treatment plants.

From a general point of view, they are used:

- To isolate a piece of equipment;
- To close off a whole part of a plant;
- To control water levels and/or flow rates.

Penstocks are installed on walls (to close circular, square or rectangular holes/windows) or in channels (with frame enclosed in the concrete).

If the gate size is big, penstocks are usually equipped with a gearbox complete with an electric actuator.

## Application ▼



## Benefits ▼

- ✓ **User-friendly;**
- ✓ **Sturdy design;**
- ✓ **Wide range of applications and sizes.**

## Technical Features / Performance ▼

- ▶ Different gate sizes available up to 2 m wide and 2 m high
- ▶ 3 or 4 side sealing system – neoprene hardness 60 Shore
- ▶ Gate thickness 6mm
- ▶ TPN pitch stem – minimum thickness 30 mm
- ▶ Carbon steel hot dip galvanized, 304 L / 316 L SS
- ▶ Gearbox complete with hand wheel (option)
- ▶ Electric actuator complete with limit switch, torque limit switch, position sensor, emergency for the manual hand wheel, protection degree IP 65
- ▶ Electric actuator ON/OFF (option)
- ▶ Electric actuator with 4-20 mA signal (option)
- ▶ Electric actuator with Profibus inverter (option)



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