

# 01.1

**PENSTOCKS**

## CHANNEL PENSTOCK



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### WHAT ABOUT

The DET03-46 channel penstock is designed to work with liquids in open pipework and is fine for liquids travelling in either direction. They are sealed on three sides (bottom and the two sides) to prevent leaks. They are suitable for use with clean liquids or those with solid content from waste water treatment plants, irrigation farming, pipes, etc.

The channel penstock is intended to be embedded in concrete to ensure the water is not obstructed as it flows through the channel. Thus, when the channel penstock is open, it allows the liquid to flow freely which prevents the build up of waste inside.

### PLATFORM (ALSO KNOWN AS HALF MOON)

moves up and down to control the passing of liquid. Made from stainless steel, it has reinforcement ribs sized according to the pressure to be resisted. It also includes special elastomer profiles to guarantee water tightness at the base and on the sides.

### FRAME

also made from stainless steel, with plate profiles cut by laser and folded, it has a special guidance system which uses parts made from low density polyethylene which lowers the friction coefficient when regulating the channel penstock.

### SPINDLE

made from stainless steel, it has a DIN 103 trapezoidal thread which means it can support high loads with minimal wear. It is linked to a bronze nut, with the same threading, to form a design that does NOT allow upward movement of the spindle.

### DRIVE

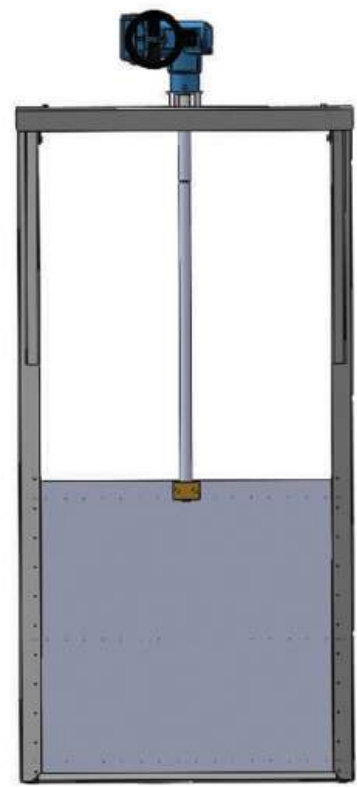
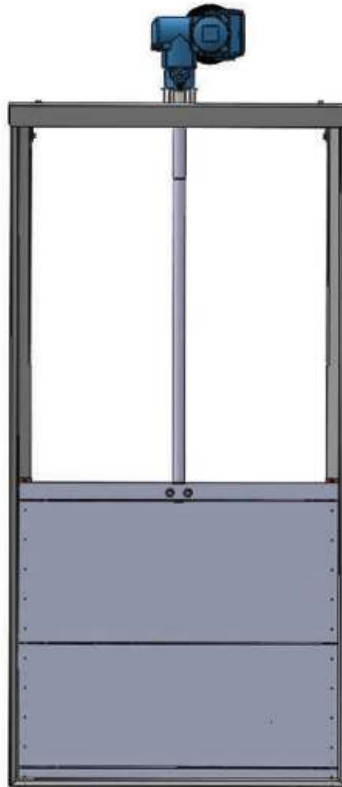
- Manual: using a  $\varnothing$  300 mm polyamide steering wheel reinforced with fibreglass and a bearing to absorb the axial force.
- Motorised: choice between an electric drive with limit switches and torque limiter included, pneumatic cylinder and hydraulic cylinder.



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### TYPES OF DRIVE:

***VOLANTE***



***MANUAL REDUCER***



***MOTORIZED REDUCER***

