

# ADJUSTABLE WEIRS

KWT®WEIR PENSTOCK TYPE: KOS I AND KOS II

## APPLICATION

KWT weirs are very varied and are used in surface, sewage and process water systems. The KOS system allows a constant adjustment of the upstream water level.

## OPERATION

The KOS weir penstock can be used to keep the upstream water level at a desired depth, and can be very accurately adjusted between its upper and lower limit.

The KWT weir penstock can be supplied with a single spindle (KOS I- up to 1200 mm width) or a double spindle (KOS II- maintains parallel movement). The KOS II can be used on wider structures, removing obstructions from the flow and also reducing the build height of the structure.

The KOS weir penstock can also incorporate a V notch if required. This will ensure that the weir can be used for flow rate calculations where small quantities of water discharge are involved.

The weir penstocks are ideal for use in land drainage applications for maintaining a pen level, and also in sewage applications for flow regulation and scum removal.

The KOS weir penstock range can be operated manually with a range of accessories, or electrically using an actuator. The design of the weir penstock allows for very low operation torques, and minimal maintenance- no greasing is required.

## BENEFITS

- Very accurate level control.
- Manual or electrical control
- Low maintenance
- Easy to install
- Very durable yet lightweight



## SPECIFICATIONS

Dimensions	
Weir width:	200 mm to 5,000 mm
Plate Height:	100 mm to 1,500 mm
Operation method:	Manual or actuated
Operation point:	KWT connection as standard

## MATERIALS

Weir plate:	SS316L
Frame:	SS316L with HDPE guiding strips
Sealing:	EPDM
Spindle block:	POM
Other materials on request.	

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