

ADJUSTABLE WEIRS

KWT®TWIN WEIR PENSTOCK TYPE: DKOS

APPLICATION

KWT weirs are very varied and are used in surface, sewage and process water systems. The DKOS allows for various methods of control, whether maintaining a water level or quick discharge for flood prevention.

OPERATION

The DKOS weir penstock incorporates two weir plates which can be moved independently to each other. The system therefore allows a pen level to be maintained upstream to various depths, however when required, the second plate can be operated to flush silt or discharge high volumes of water.

The DKOS is ideal for use where summer and winter pens are required, as the weir can be set to maintain a pen when required, or opened fully to allow free flow. It can also be used as an alternative to a tilting weir in some situations, especially where space is restricted.

The DKOS 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 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:	500 mm to 5,000 mm
Plate Height (Each):	200 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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