

ADJUSTABLE WEIRS

KWT® WEIR PENSTOCK TYPE: KOAS

APPLICATION

KWT adjustable weirs are available in various types and are widely used in sewerage and surface water systems. The KOAS weir penstock is designed for isolation purposes or for controlling flows through a channel.

OPERATION

The KWT KOAS weir penstock is a modern alternative to traditional sluice structures, using high grade materials and techniques to create a product for today's market. The KOAS can be used in surface water, sewage and potable water, and can be used in a variety of ways.

The KOAS weir penstock has a pre-determined weir plate height, which when closed can act as a weir to pen water upstream. It can also be used for isolation of channels in process applications to allow access for maintenance of equipment, or alternatively to control flows through the channel.

The KOAS can be fitted in three ways, face mounted, channel wall mounted or cast into rebates. Where cast in, this does not create any obstruction in the channel, and prevents snagging of debris. The KOAS is available with non rising or rising spindles, and for widths of over 1200mm twin spindles are used to maintain smooth operation (KOAS II).

The KOAS can be operated manually or electrically using an actuator.

BENEFITS

- Robust, compact design.
- Very versatile-can be used in a variety of ways
- Minimal maintenance
- Easy and quick to install
- Low operation torques



SPECIFICATIONS

Spillway width dimensions:	200 mm to 2600 mm
Adjustable height:	50 mm to 1000 mm
Operation method:	Manual or Actuated
Operation point:	Standard KWT "half-moon" connection
Movement mechanism:	Patented spindle/rack Drive system.
Larger dimensions on request.	

MATERIALS

Moving plate:	SS316L
Guides:	HDPE
Spindle:	SS316
Spindle block:	Polyacetol/ Phosphor Bronze
Seals:	EPDM
Mounting fixings:	Ss316

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KWT reserves the right to modify the design without prior notification