

ADJUSTABLE WEIRS

KWT® WEIR PENSTOCK TYPE: KOS-GL

APPLICATION

KWT adjustable weirs are available in various types and are widely used in sewerage and surface water systems. The KOS GL is an ideal way of penning and accurately adjusting water levels, without obstructing the flow.

OPERATION

The latest KWT weir penstock is a revolutionary product within our already popular weir penstock range. This is partly due to modernised and patented drive technology, making it a unique product in the market. The KOS-GL is supplied as an alternative to the KOS I and KOS II, as it does not require a top bridge.

Larger constructions in water management are often driven on two sides by a spindle or a rack. This is necessary to prevent the structure from jamming due to uneven drive pressure. The KOS-GL however is driven on one side, with the new system transferring the drive evenly to both sides. This not only prevents jamming, but also allows the KOS-GL to operate without obstructing the flow.

The weir is ideal for use in covered concrete pits since a cross-beam, gearboxes and couplings are not required, making the build height very low. An added bonus is that the KOS GL can be used in navigable channels and sewage works, as it does not obstruct the flow.

BENEFITS

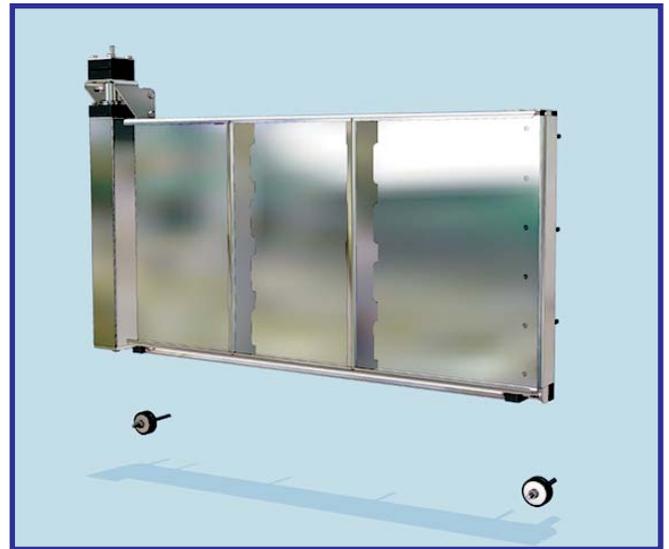
Robust, compact design.

No top bridge- low build height.

No gearboxes.

Even transmission of drive, prevents jamming.

No obstruction to the flow.



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
Spindle:	SS316
Spindle block:	Gbr12
Bearing:	Ball bearings
Wall plate:	HDPE
Seals:	EPDM
Mounting material:	SS316
Other materials on request.	

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