

## Application

The KWT automatic regulating units are mainly used in surface water systems but some may also be used in purification applications.

## Operation

The KWT floating unit can be used as a fully automatic working intake structure that will ensure the lower level is kept at the required height.

The unit incorporates two chambers; a float chamber which holds a float operating on the downstream (carrier) water level and a flow chamber holding a valve which isolates the feed and carrier levels.

When the carrier level drops, this opens the valve in the flow chamber to allow water into the carrier, in effect topping up the level. When the carrier level is reached, the valve closes, stopping the flow from the feed level. This system allows the lower level to be maintained without electricity, regardless of the water height on the upstream side.

The unit is vandal resistant, and can be fitted in a number of ways. These methods include wall mounting on concrete, sheet pile or brick structures, floor mounting in a chamber and also buried in the ground. The added benefit of burying the unit is that it will reduce the effects of frost and improve the safety of the operator.

## Benefits

Fully automated inlet/outlet structure without outside power supply.

Can be manufactured as required.

Low operational costs.

Easy to install and maintain

Low purchasing costs.

Broad experience.

Simple to adjust



## Specifications

Connection dimensions: 110 mm to 500 mm

The KVU can be dimensioned as required.

Level difference : Minimum 0 and maximum 3000 mm

Operation point: KWT connection or another connection on request.

Operation: Automatic regulation

Other dimensions on request.

## Materials

Construction: HDPE

Hinges: SS316

Spindle: SS316

Bascule: SS316



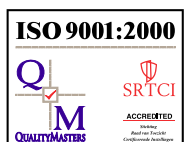
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