

Application

KWT float weirs are available in various forms and are mainly used in surface and process water systems. The KDS is designed to maintain a set level difference between a feed level and a lower water level.

Operation

The KWT float weir incorporates a floating chamber which controls the level of a weir structure, maintaining a set difference between the upper feed level and the lower carrier level. The distance can be set by the user, with a maximum level difference of up to 1,000 mm.

The weir level will remain at the height set when the water levels are correctly balanced, until either:

1. The water level in the lower carrier drops, meaning that the float drops and the weir allows water to spill over.

2. The set level difference is exceeded due to a rise in the level in the upper feed, the KDS will allow water to spill over.

The KDS will always return to its balanced state as the water is either discharged or topped up. This will ensure that a fixed level difference is maintained between the high and low reaches. The KDS can be adjusted accurately by adjusting the water level inside the float.

The KDS can be fitted to existing structures such as concrete, sheet piling or brick, and also to pre-cast concrete assemblies.



Specifications

Dimensions

Weir width: 500 mm to 5000 mm

Height of rise : 100 mm to 1000 mm

Operation method: By filling the float

Different sizes and versions on request.

Materials

Valve and float: HDPE

Mounting frame: SS304 or SS316

Hinges: SS304 or SS316

Sealing: EPDM (lip seal)

Other materials on request.

Benefits

Low life-costs.

Light weight and easy to install.

Self-regulating without power

Can be navigated over if required (canoe passage).

KWT®
Waterbeheersing

Tel: +31 (0)321 33 55 66

Fax: +31 (0)321 33 55 76

E-mail: kwtwaterbeheersing@kwtgroup.nl

www.kwtgroup.nl

