

Current flumes

LARGE FLOW FLUME



Flanders
State of
the Art

Current flumes are used to conduct research on topics such as current patterns, head losses, bed-load transport, stilling basin design, fish passes, flood control areas (FCA), reduced tidal areas (RTA), etc.

Description

Our largest flow flume with a length of 56 m and width of 2.40 m.

Key features

The size of the flume: length 56.20 m and width 2.40 m. The downstream water level can be regulated by a tilting weir.

If required for a certain project, the test section can be narrowed locally or the maximum discharge can be increased.

Testing possibilities

Due to its length and width the flume is suitable for large scale research, for example erosion measurements, validation of measurement set-ups, part of hydraulic constructions. A section of the flume is equipped with glass walls to allow for good visibility to the experiment.

Dimensions

- length: 56.20 m;
- width: 2.40 m;
- height: 1.45 m (max. water depth 1.30 m)
- max. discharge 1000 l/s

