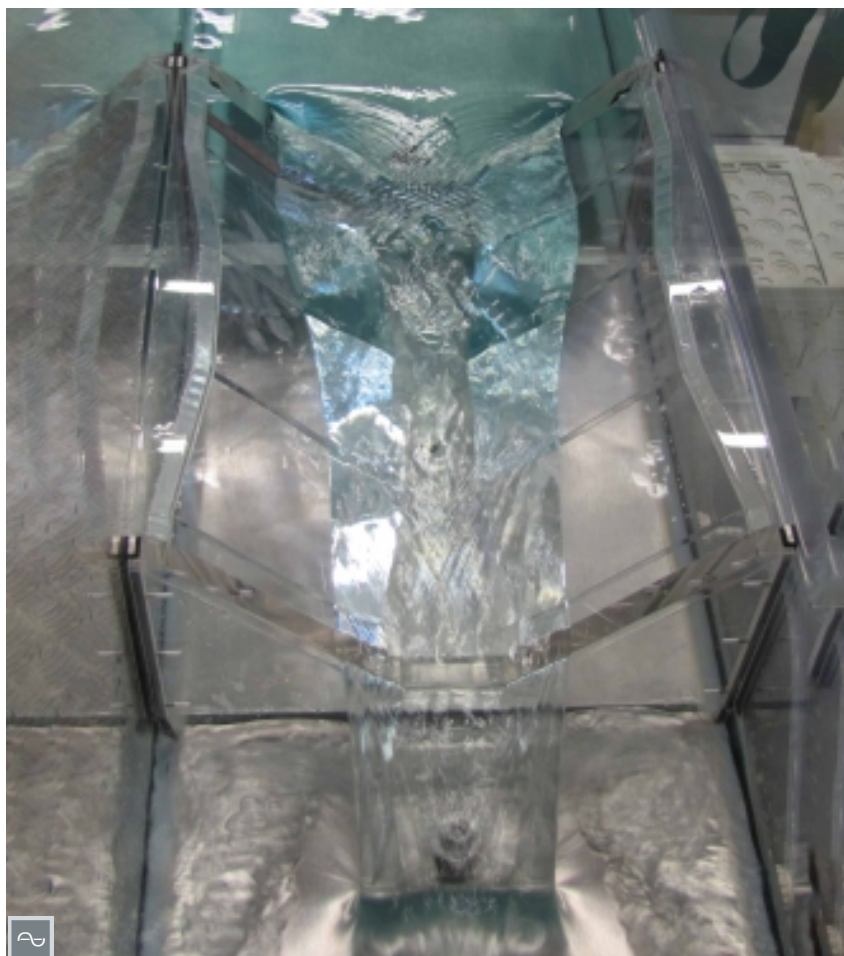


HM 162.63

Trapezoidal flume



Learning objectives/experiments

- together with a level gauge:
 - ▶ discharge measurement in open channels

Specification

- [1] trapezoidal flume for the experimental flume HM 162
- [2] trapezoidal flume with sealing lips

Technical data

Trapezoidal flume

- narrowest cross-section, WxH: 20x90mm
- material: PMMA

LxWxH: 550x304x165mm

Weight: approx. 8kg

Scope of delivery

- 1 trapezoidal flume
- 1 set of accessories
- 1 manual

Description

■ typical flow-measuring flume

The two most common methods of determining the discharge of a flume are flow-measuring flumes and measuring weirs. In both methods, there is a fixed relationship between discharge depth and discharge.

Flow-measuring flumes are mainly used in wastewater treatment plants because they are well suited for contaminated water. They can be easily maintained.

Trapezoidal flumes are one type of flow-measuring flumes. The flow cross-section is triangular or trapezoidal with smooth walls. In contrast to Parshall flumes, they often have a smaller pressure head loss for the same discharge and are more suitable for small discharges.

The trapezoidal flume HM 162.63 has a trapezoidal flow cross-section. The transparent walls allow to clearly observe the processes in the flume.

HM 162.63

Trapezoidal flume

Required accessories

HM 162 Experimental flume 309x450mm