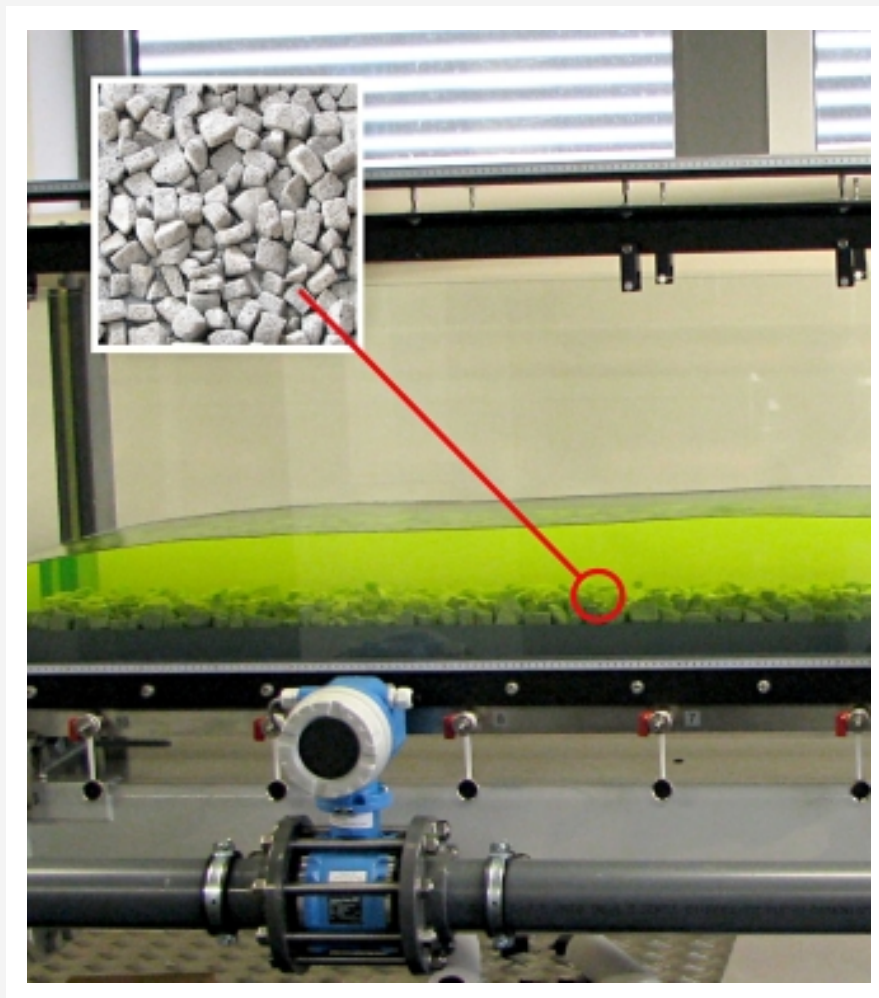


# HM 161.77

## Flume bottom with pebble stones



The illustration shows a similar unit

### Description

#### ■ fundamentals of open channel flow

For the same discharge, the flow behaviour of a river depends mainly on the flume slope and on the flume roughness. Uniform discharge with constant depth is called normal discharge. For a different roughness respectively a different slope, normal discharge changes to non-uniform discharge.

The flume roughness is changed using the flume bottom HM 161.77. The experimental flume HM 161 can be inclined.

### Learning objectives/experiments

- fundamentals of open channel flow
  - ▶ uniform and non-uniform discharge
- effect of flume bottom roughness on flow behaviour
- flow formulae

### Specification

- [1] flume bottom for the experimental flume HM 161
- [2] flume bottom with pebble stones consisting of four elements

### Technical data

Flume bottom  
 ■ LxWxH: 4000x600x70mm  
 LxWxH: 4000x600x70mm  
 Weight: approx. 72kg (total)

### Scope of delivery

- 4 elements
- 1 set of accessories
- 1 manual

# HM 161.77

## Flume bottom with pebble stones

Required accessories

HM 161                    Experimental flume 600x800mm