



HELAGO-CZ, s.r.o.  
Commercial Register maintained by the Regional Court in Hradec  
Králové  
Section C, File 17879  
Kladská 1082  
500 03 Hradec Králové 3  
Company ID: 25 96 39 61, VAT: CZ 25963961  
Phone: 495 220 229, 495 220 394  
Fax: 495 220 154  
GSM gate: 602 123 096  
E-mail: info@helago-cz.cz  
Web: http://www.helago-cz.cz

## HM 169 Visualisation of seepage flows

Order code: 5201.07016900



Information about product price on demand

Parameters

Quantitative unit

ks

### GUNT HM 169

Visualization of Seepage Flows Unit is designed for visualizing two-dimensional seepage flows and analyzing water pressure in various models. It features a closed water circuit with fluorescein as a contrast medium for enhanced flow visualization. The experimental section includes a tempered glass viewing window and a fine-mesh screen that separates the feed and discharge chambers. Water levels are adjustable via height-adjustable overflows. The unit includes 14 measuring connections with filters to monitor groundwater levels. Three models - sheet pile, retaining wall, and foundation - allow for the demonstration of streamlines and water pressure effects. Integrated instruments such as tube manometers and observation tubes provide precise measurement data.

# Technical Data & Specifications:

## Experimental Section:

- Usable volume: 82 L
- Dimensions (L x W x H): 1480 x 104 x 630 mm

## Pump:

- Max. flow rate: 4 m<sup>3</sup>/h
- Max. head: 4 m

## Storage Tanks:

- Contrast medium tank: 0.5 L
- Stainless steel storage tank: 96 L

## Included Models:

- Sheet pile (visualization of streamlines)
- Retaining wall (demonstration of water pressure)
- Foundation (demonstration of water pressure)

## Measuring Ranges:

- Pressure: 14 x 20-650 mmWC

## Operating Conditions:

- 230V, 50Hz, 1 phase
- 230V, 60Hz, 1 phase
- 120V, 60Hz, 1 phase (UL/CSA optional)

## Included Items:

- Experimental section with tempered glass viewing window
- Fine-mesh screen for feed/discharge separation
- Height-adjustable overflows for water level control
- 14 measuring connections with filters for groundwater level detection
- Three models: sheet pile, retaining wall, foundation
- Integrated measuring instruments (tube manometers, observation tubes)

## Dimensions & Weight:

- Unit (L x W x H): 1900 x 800 x 1870 mm
- Weight: Approx. 230 kg

## Required for Operation:

- Sand (1-2 mm grain size)