



Features:

- Visualization of streamlines
- Ink as a contrast medium
- Various models included: drag bodies and changes in cross-section
- Sources and sinks, individually or in combination

The laminar, two-dimensional flow in Tesca Visualization of Streamlines is a good approximation of the flow of ideal fluids: the potential flow.

32121 can be used to visualize streamline fields for flows around drag bodies and flow through changes in cross-section. The streamlines are displayed in color by injecting a contrast medium

Note: Specifications are subject to change.

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(ink). Sources and sinks are generated via four water connections in the bottom plate. The streamlines can be clearly observed through the glass plate during flow around and flow through.

The water flow rate and the quantity of contrast medium injected can be adjusted by valves. The water connections are also activated by valves and can be combined as required. Individual models can be cut out of a rubber plate that is included.

The experimental unit is positioned easily and securely on the work surface of the 32097 base module. The water is supplied by 32097. Alternatively, the experimental unit can be operated by the laboratory supply.

Specifications

- Visualization of streamlines
- Water as flowing medium and ink as a contrast medium
- Upper glass plate, hinged for interchanging models
- Bottom plate with water connections for generating sources/sinks
- Sources/sinks can be combined as required
- Different drag bodies and changes in cross-section included
- Rubber plate for creating your own models included
- Flow velocity, water supply, and water drain in sources/sinks as well as the dosage of the contrast medium can be adjusted by using valves
- Water supply using 32097 base module or via laboratory supply

Technical Specifications:

The flow chamber contains two plates

- Distance between the plates: 2mm
- Upper plate made of glass
- Bottom glass plate with four water connections for sources/sinks

- Size experiment area: LxW: 400x280mm

10 drag bodies and changes in cross-section

Rubber plate for your own models

- LxH: 300x400mm
- Thickness: 2mm

Injection of the contrast medium (ink)

- 15 holes

Tank for contrast medium: 500mL

Experiments:

- Visualization of streamlines in
- Flow around drag bodies
- Flow-through changes in cross-section
- Influence of sources and sinks

Requirements:

- 220 – 240V 1Ph, 50Hz

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