



VISUALIZATION OF STREAMLINES

RF 204

Description:

This unit is designed to simulate ideal fluid flow and give a clear visualization of the flow patterns created using water as the working fluid. This enables a comprehensive investigation into the principles of potential flow and enables modelling of appropriate physical systems. The streamlines are displayed in color by injecting a contrast medium (ink). Sources and sinks are generated via water connections in the bottom plate. The streamlines can be observed through the glass plate during flow around and flow through.

Specifications:

- Needles for injecting color
- Inlet and outlet tanks
- Ink storage tank
- Valves for generating sink and source flows
- Scaled page
- Two transparent plates for producing laminar flow with 5mm gap
- Piping system with fittings
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Visualization of streamlines over various objects with different geometries
2. Observing sink and source in laminar flow
3. Effect of flow velocity on streamlines

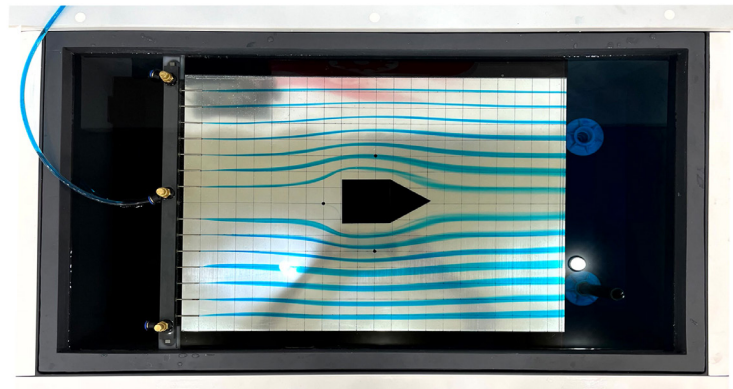
Required For Operation:

- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%



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Dimensions (L*W*H) mm: 1100x 500 x 1500

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