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Product Name :
Potential Flow

Product Code :
LBNY-0005-103000199



Description :

Flow around supplied models: cylinder, square, rectangle, guide vane profile, various models for changes in cross-section
Flow velocity, water inlet and water outlet in sources/sinks as well as dosage of the contrast medium can be adjusted by using valves
Demonstration of potential flow in a Hele-Shaw cell for visualising streamlines
Modelling the flow around contours without models by overlaying parallel flow with sources or sinks
Upper glass plate, hinged for swapping models
Bottom glass plate with cross-shaped water connections for generating sources/sinks, can be combined as required
Hele-Shaw cell made of two glass plates arranged in parallel with narrow gap
Water as flowing medium and ink as contrast medium
Grid in the bottom glass panel for optimal observation of the streamlines.

Technical Specification :

Technical Data:

Distance between the plates: 5mm
2 glass plates, L x W: 910x585mm
Bottom glass plate with eight water connections for sources/sinks
Models
2 changes in cross-section
6 drag bodies
Material: rubber

Thickness: 5mm
Tank for contrast medium: 200mL
Injection of the contrast medium (ink)
19 nozzles.



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