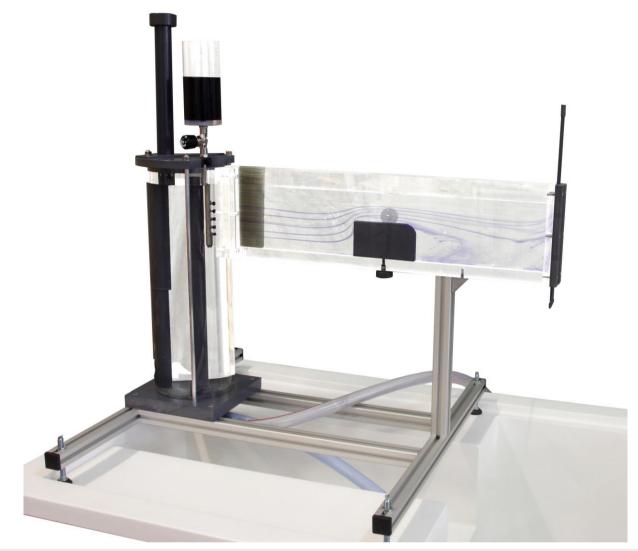


FL 16.2 - STREAMLINES VISUALIZATION IN A CHANNEL



This equipment allows the study of the behavior of fluids in open channels and flow lines that form around different submerged objects.

The service for the experiments is the flowing water. So that the flow lines are visible during the experiments, diluted ink is used in water. This combination of elements with the feature that the channel is completely transparent allows optimal viewing of the flow lines .

Different bodies of landfill and profiles are provided as varied forms.



FL 16.2 - STREAMLINES VISUALIZATION IN A CHANNEL



Due to the characteristics of the equipment, you can clearly see the behavior of flow lines depending on the object that we place in the test area.



The user manual clearly shows and with a large number of images, the entire process to be followed to operate the equipment.



FL 16.2 - STREAMLINES VISUALIZATION IN A CHANNEL

LEARNING OBJECTIVES

- Basic study of Channel Flow.
- Visualization of Flow Lines about bodies:
 - Thin Wall dumps.
 - Thick wall dumps.
 - Symmetrical aerofoil.
 - Asymmetric aerofoil.
 - Small cylinder.
 - Large cylinder.

TECHNICAL DATA

- Operating fluid: Water.
- Admission tank : Approx. 9 I.
- Dye used: Ink.
- Number of ink needles: 5.
- Useful channel dimension (L x W x H): 600x15x150 mm.
- General Dimension (L x W x H): 820x670x750 mm.

Submersible bodies:

- Landfills thin wall (10x15x65 mm).
- Landfills thick wall (115x15x65 mm).
- Asymmetric aerofoil.
- Symmetrical aerofoil.
- Large cylinder.
- Small cylinder.

REQUIREMENTS

Dikoin Hydraulic bench