



GENERAL EXPLANATION

This training set is designed for the experimental investigation of the natural and forced vortex motion of the basic fluid mechanics experiments.

EXPERIMENTS

1. Natural and forced vortex visualization
2. Determination of vortex speed

OPTIONAL FEATURES

- Touch LCD Display
- USB Computer Connection
- Computer Control

TECHNICAL SPECIFICATION

In order to form a natural vortex, water is entered into the transparent liquid tank and one of the outlet diameters is attached to the water discharge to examine the profile and speed of the liquid. Forced vortex is fitted with a split wheel, which is a water extractor, and water is fed to the radial entering pipes. When the fluid begins to move like a rigid body, the pressure distribution of the fluid is examined with the vortex that forms.

TECHNICAL DETAILS

- Centrifugal pump
- 3-blade wheel
- 3-way valve
- Tank
 - Diameter: 250 mm
 - Height: 200 mm
- For water extraction
 - Diameter: 8, 12, 16, 24 mm
- Movable rods
- Horizontal 0-90 mm Vertical 70-200 mm

DIMENSIONS

A x B x H : 800 x 500 x 1200 mm

PACKAGE INCLUDED

Device, device cover, 1 printed experiment report, circuit diagram and product catalog