FLUID MECHANICS

T-435 VENTURIMETER TRAINING SET

GENERAL EXPLANATION

Venturimeters are used for measuring speed and flow, and they are useful for visually grasping the concepts of speed, pressure, and height in mechanics.

EXPERIMENTS

1. Observation of static pressure
2. Observation of dynamic pressure change
3. Calculation of flow rate

DIMENSIONS

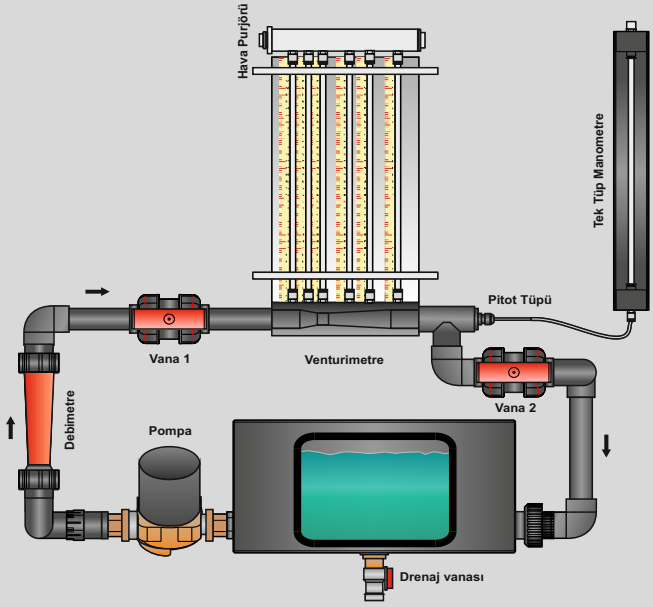
A x B x H : 1180 x 450 x 1500 mm

PACKAGE INCLUDED

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

TECHNICAL SPECIFICATION

A venturimeter is a measuring device that determines the volumetric flow of a flow by measuring the flow rate in pipes and channels with a narrowing and expanding flow region. Static pressure measurement can be done by using the pipe type manometers from 6 points on the venturi tube.



TECHNICAL DETAILS

- Ball valve
- Circulation pump
- Static pressure change along the venturi tube
- Calculation of pressure loss coefficient at different flow rates
- Pressure measurement chart
- 6 polyurethane measuring tubes
- Venturimeter