

GENERAL EXPLANATION

Cavitation is a physical phenomenon that represents the formation of a set of cavities or bubbles in a liquid fluid. It is aimed to visualize the cavitation in this training set.

EXPERIMENTS

1. Function of pressure flow rate
2. Cavitation processes and flow rates at different pressures

DIMENSIONS

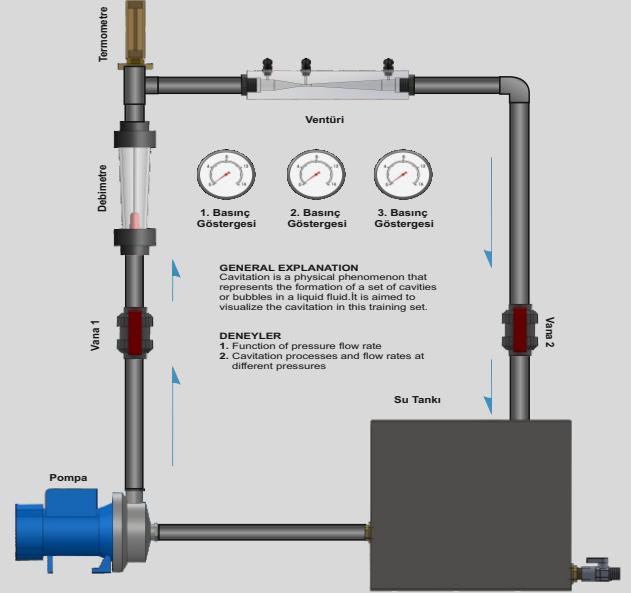
A x B x H : 980 x 480 x 1570 mm

PACKAGE INCLUDED

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

TECHNICAL SPECIFICATION

Evaporation pressure; it is the pressure that the liquid evaporates and is in balance with its own vapor. When the fluid's pressure drops below the evaporation pressure due to flow, the liquid tends to evaporate in the flow and this is called cavitation.



TECHNICAL DETAILS

- The training set consisted of three manometers with ventilator input (0-4) bar, cavitation throat (-1, + 1) bar and exit (0-4) bar
- Transparent venturi device
- Rotameter type flow meter
- Throttling valve to set the flow
- Centrifugal pump
- Water tank
- Flow adjustment valve