



DETERMINATION OF VISCOSITIES AND RESISTANCE COEFFICIENTS



DL DKL141

The objective of this trainer is the study and determination of the viscosity of different liquids, and the resistance coefficients of various geometric shapes.

It is a flexible system which can be used both for the study of fluid properties and for the particle resistance coefficients.

It is an autonomous didactic trainer that requires only an electric socket.

TRAINING OBJECTIVES

- Determining the viscosity of liquids.
- Determining of the resistance coefficient for spheres as a function of Reynold's number.
- Determining of the resistance coefficients of different bodies
- Determining of the resistance coefficient for different geometric shapes

TECHNICAL DATA

Pipes:

- Pipe $\varnothing = 100 \text{ mm}$. ;Length 1.350 mm.
- Length between marks : 1.000 mm.

Spheres:

- Steel: $\varnothing 3 \text{ mm}$, $\varnothing 4 \text{ mm}$, $\varnothing 5 \text{ mm}$, $\varnothing 6 \text{ mm}$, $\varnothing 7 \text{ mm}$, $\varnothing 8 \text{ mm}$, $\varnothing 9 \text{ mm}$, $\varnothing 10 \text{ mm}$
- Polyamide:
- $\varnothing 3.96 \text{ mm}$, $\varnothing 5 \text{ mm}$, $\varnothing 6 \text{ mm}$, $\varnothing 7.14 \text{ mm}$, $\varnothing 9 \text{ mm}$, $\varnothing 9.52 \text{ mm}$

Requirements:

Power supply: single phase 230V/50Hz.