



# FLUID MECHANICS

## HYDRAULIC BENCH



**DL DKL014**

The DL DKL 014 is an hydraulic equipment suitable to use as a working bench. A great variety of didactic devices can be used by mounting them on the tabletop.

The bench is composed of two volumetric tanks of different sizes to accurately measure high and low flows. The upper reservoir has a 40 liter capacity and the lower one can hold up to 100 liter.

In order to precisely measuring flow, the higher tank has a short interval flow meter adjusted to 0 – 8 liter and for larger flows 0-40 liter it has a longer interval adjustment.

A sump tank with cover is provided in order to prevent water from dust and possible dirt particles.

The bench also includes an interchangeable length of segment to hook up along many accessories.

### SCOPE OF EXPERIMENTS

- Calibration of a volumetric tank
- Flow measurement with volumetric tank

### TECHNICAL DATA

Pump features:

- Maximum gauge head: 23 MWC
- Volume 10 / 160 l/min
- H 21 / 10 MWC
- Power consumption: 750 W (1HP)
- Motor speed: 2.900 rpm

Tanks:

- Sump tank capacity: 100 liters
- Level measurement by vertical gauges and sight tubes.

-Vertical manometers for level measurements and calibrated level meters

Volumetric tanks storage capacity:

- From 0-8 liters
- From 0-40 liters

### Requirements:

Power supply: 230V / 50Hz