



HIGH FLOW HYDRAULIC BENCH



DL DKL017

The **DL DKL017** is a high flow hydraulic bench suitable to a great variety of teaching equipment and can be used when a large flow of water is needed. It has two pumps connected in parallel allowing to carry out twice as much work as with a traditional hydraulic bench.

It is specially designed to be used along with hydraulic turbines, but it can also be operated as a standard bench, with the pumps being connected separately.

The bench has two volumetric tanks of different sizes, for the measurement of small and large flows. The upper one has calibrated rules to facilitate the work of the students in the flow measurements, and the lower one has a coupling for easy filling and emptying of the equipment.

It also has connections by connecting nuts and a quick plug, supplied with the bench, in a way that the installation of the different work equipment is quick and simple. A drain allowing a faster discharge when working with large streams, is also provided.

The equipment has pressure ports prepared to be able to perform the analysis and calculation of the characteristic curve of the pump.

Provided with a user manual showing the entire process to be followed for its operation, and explaining all the theoretical foundations, as well as the mathematical formulas used to carry out all the experimentation.

SCOPE OF EXPERIMENTS

- Calibration of a volumetric tank.
- Measurement of volumetric flow rates.



Requirements:

Power supply: 230V/50Hz.

TECHNICAL DATA

Pump features:

- Maximum head: 23 m.w.c.
- Flow rate: 160 l/min or 320 l/min.
- Head: 21/10 m.w.c.
- Power consumption: 750 W or 1500 W.
- Max Power: 1900 W.
- Speed: 2900 rpm.

Tanks:

- Lower storage capacity: 100 litres.
- Level measurement by litre calibrated states.
- Measuring tanks: 0 to 8 litres/0 to 40 litres.

Include accessory:

- Stop-watch.

Dimensions:

- WxLxH: 1300x845x975 mm.