

The hydraulic bench is designed as a work table, on which you could install a big variety of didactic equipment in need of a input flow, guaranteeing a simple and practical use.

The upper or working tank it has two volumetric tanks of different sizes. With the purpose of obtain measurements as accurately as possible, the upper tank has a two-volume volume meter, one calibrated 0-8 liters for more accurate readings and another 0-40 liters for higher flow rates. This last one also has a drain plug, which can be used to retain the fluid or failing to evacuate quickly.

The lower tank can retain a maximum of 120 liters of water and it has a drain valve, and a minimum and maximum level meter.

The flow control valve is arranged in an ergonomic way, so that the user does not need to bend down for handling.

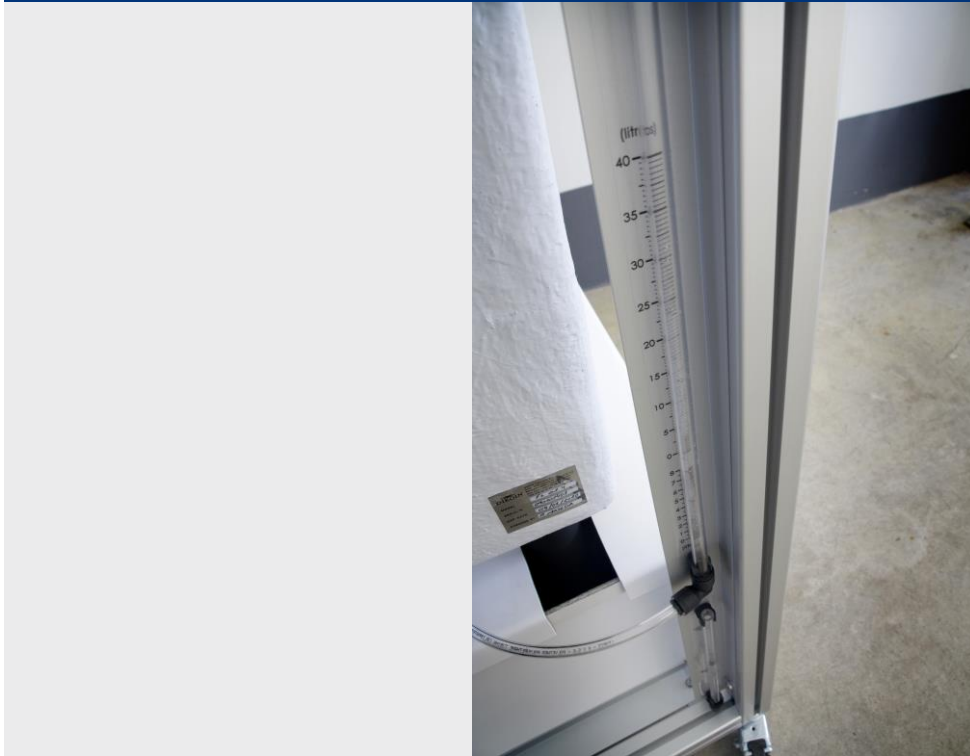
The connection of the different equipment is done by means of quick union nuts, in an agile and simple way, and does not require tools (for example, screwdrivers or keys).





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

The lower tank has a coupling for easy filling and emptying of the equipment.



The upper tanks have calibrated rules to facilitate the work of the student in the flow measurements.



Optional Accessory: FLQ-500-200lm - ELECTRONIC FLOW METER WITH DISPLAY IN 500mm SECTION  
Estándar section of 500mm (for example, for hydraulic bench) DN25 with electronic flowmeter with display.

Optional Accessory: FLZ.T500 - FLZ.T500 - Adapter for stretch 500 to Hydraulic Bench



Optional Accessory: FLQ-500-30lm - ELECTRONIC FLOW METER 30l/min WITH DISPLAY IN 500mm SECTION

About the connection method of the didactic equipment, the bank has connections by quick union nuts (supplied with 2 meters of flexible hose), so the installation of the different equipment is easy and agile, and thanks to the extension of the hose, the arrangement of the multiple elements that make up the didactic equipment is facilitated.

A pump capable of providing a maximum flow of 160 l / min is included in the bank itself. That flow can be regulated thanks to the provision of the valve through which the flow rate can be adjusted to obtain the quantity of flow necessary for the optimum performance of the practice.

### **LEARNING OBJECTIVES**

With this equipment you can perform the following practices:

- Calibration of a volumetric deposit.
- Flow measurement with volumetric deposit.

### **TECHNICAL DATA**

#### Characteristics of the pump:

- Maximum manometric height 23 m.c.a.
- Flow: 10 / 160 l/min.
- Manometric height: 21 / 10 m.c.a.
- Consumed power 750 W (1 HP).
- Maximum power 950 W.
- Turning speed 2900 r.p.m.

#### Tanks:

- Storage capacity in lower tank: 120 litres. (available version with 250 l) .
- Measurement of levels by vertical manometers, and calibrated rules in liters.
- Upper calibration tanks:
  - 0 to 8 litres.
  - 0 to 40 litres.

#### Dimensions:

- 1300 x 845 x 975 mm.

#### Accessory included:

- Chronometer.

### **REQUIREMENTS**

- Power supply: 230V/50Hz

NOTE: The equipment does not include the adapter for the 500 mm section.