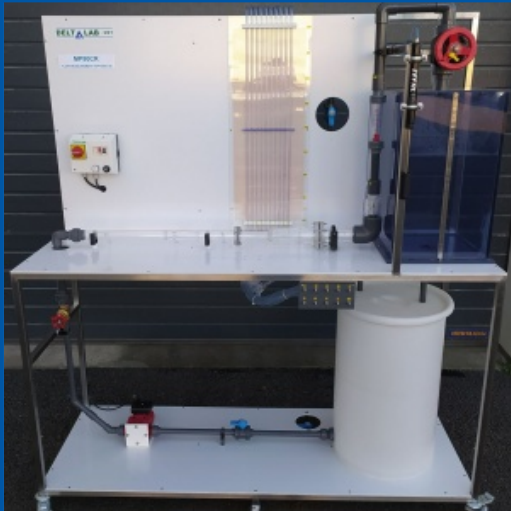


# APPARATUS FOR STUDYING FLOW MEASUREMENT METHODS



*Non contractual photo*

**SERVICE : POWER SUPPLY: 220V, 50 HZ**

**DIMENSIONS : 1800 X 600 X 1500 MM**

## REFERENCE : MP80

The MP80 bench makes students aware of current methods of flow measurement and the application of Bernoulli's theorem for an incompressible fluid.

- Application of Bernoulli's theorem for an incompressible fluid
- Flow measurement by a Venturi, a diaphragm, a rotameter
- Comparison with a volumetric measurement
- Determination of pressure drops for each measuring system, for a sudden enlargement and a 90 ° elbow

### Technical specifications :

- 1 tank equipped with graduated ruler for level measurement with side racking
- 1 drip tray with drain
- 1 return bin
- A circulator
- A venturi dia. 26, 16, 26 mm
- An Altuglas diaphragm with a diameter of 20 mm
- An abrupt enlargement of 26 to 50 mm
- A 90 ° elbow of 50 mm
- A float flowmeter
- A millimetric panel
- A set of piezometric tubes for measuring pressure losses
- A flow control valve at the outlet of the flowmeter
- Pump control and protection box
- The whole is made of PVC and Altuglas piping (Venturi, diaphragm and elbow) and is mounted on a stainless steel frame with aluminum nuts.
- Bench equipped with wheels.

### OPTIONS :

Differential pressure sensor measurement