

## Liquid flow measurement unit

### DESCRIPTION

- The liquid flow measurement unit comes complete with instrumentation and includes a technical and instructions manual.
- Designed and manufactured to industrial standards.
- This unit has been designed for different levels and fields of study.
- Options:
  - Interface and software for P.C



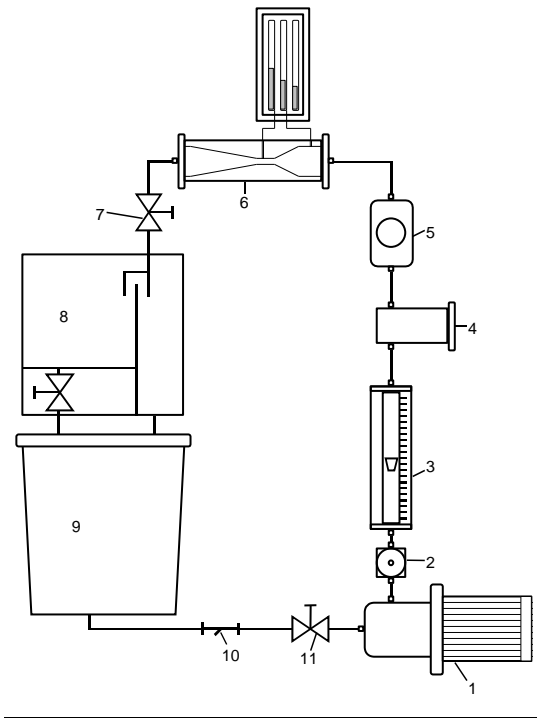
### SUGGESTED APPLICATIONS

Demonstrations of different principles of flow measurement.

Manipulation methods

- Characteristic curves
- Comparison of sensors
- Adjusting the indicator
- Calibration of sensors against a reference.

# BMD 150



- 1. Multicellular pump 2 m<sup>3</sup>/h**  
Single phase 230 VAC
  - 2. Diaphragm valve**
  - 3. Rotameter**  
Glass tube – stainless steel floater 316 L  
Linear scale 0-1053 L/h
  - 4. Electromagnetic flow meter**  
Surface PFA, electrodes in stainless steel  
Accuracy :  $\pm 0.5\%$  of the measured value  
Signal converter : outlet 4-20 mA
  - 5. Flow meter with axial turbine**  
Indicator outlet PNP 12-24 VDC - 1 K $\Omega$   
Scale : 0-15L/min.  
Accuracy :  $\pm 0.5\%$  of the full scale  
Signal converter - outlet 4-20 mA
  - 6. Flow meter with venturi effect**  
Pressure inlets above and below flow meter  
Connected to a multimanometer
  - 7. Nozzle valve**
  - 8. Calibrated tank 20 L**  
Used for the calibration of the flow meters  
A chronometer is provided in order to measure the emptying time of the tank
  - 9. Polypropylene tank – 75 L**
  - 10. Water filter**
  - 11. Tap**
- Numeric indicator**  
Programmable with microprocessor  
Degree of accuracy : 0.2  
4 digit display

## UTILITIES

Electricity : 230 VAC single phase - 50/60 Hz  
Water : 70 L/min

## DIMENSIONS

Length : 1100 mm  
Width : 700 mm  
Height : 2050 mm  
Weight : 110 kg