



The Centrifugal Pump Demonstration unit makes it possible to carry out a range of operations, either for the start-up or the operation itself of a pump station. The study of how a single pump works is available through the following coursework and laboratory experiments:

- Study and production of the centrifugal pump characteristic curve.
  - Head-flow (H-Q).
- Modification of the operation point by varying the settings of the pump installation.
  - Adjusting the discharge valve.

The pump is equipped with a transparent volute to provide a clear view of the whole operation process.

### TECHNICAL DATA

Pump:

- Centrifugal pump Maximun high: 9m.c.a. Maximun flow: 123 L/M.

Cylindrical circulation tank:

- Transparent tank Volum : 15L

Pressure indicators:

- Aspiration site: 0 a 2 bar, Suction site: -1 a 1 bar.

Rotameter:

- Range: 0 a 166 LPM.

Supplied with con:

- Operations and experiments manual, with the completed description of the equipment, resume of the theory and experimental process.

OPTIONAL:

**Data acquisition system and software.**

With the electronic data acquisition module you can read in electronical displays and it includes a USB conection to a computer with software.

It includes the next digital instrumentation:

- 3 digital indicators.
- 1 electronical caudalimenter.
- 2 pressure sensors.