

## Turbine Pump Test Unit

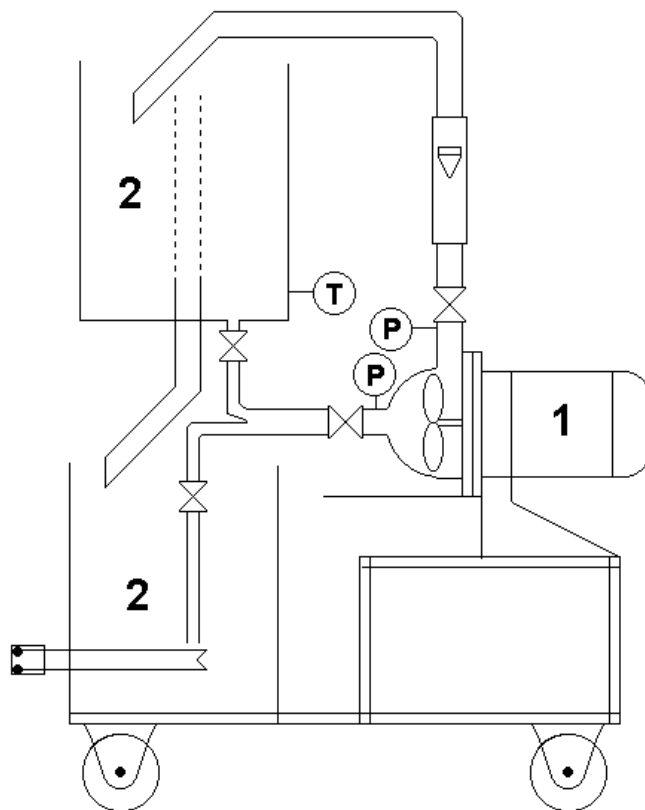
### DESCRIPTION

- The test unit of a turbine pump is delivered complete with instrumentation, and technical and instruction manuals.
- Pump is of industrial design
- The unit operates within a closed circuit.



### SUGGESTED APPLICATIONS

- Study of a turbine pump
- Loaded or suction pump
  - Features of the pump
    - Speed – flow – pressure – power
  - NPSH (net positive suction head)
  - Four different turbines
    - Closed – open – complete passing with a duct
  - Study and visualization of cavitations



## 1. Turbine pump

- Power 1.5 kW
- Flow 20 m<sup>3</sup>/h
- Speed variation
- Four interchangeable turbines
- Transparent body

## 2. Tanks

Stainless steel tanks with filling and overflowing of the emptying valves  
Inferior tank with heating or vacuum draught

## 3. Instruments

- Two pressure gauges : suction – evacuation
- Rotameter
- Rotation speed of the pump
- Used power
- Water temperature (or tank pressure an option)



closed turbine



opened turbine



integral flow turbine



canal turbine

## UTILITIES

Electricity : 400 VAC three-phase - 50/60 Hz

## INSTALLATION VOLUME

Length : 1400 mm  
Width : 800 mm  
Height : 2000 mm  
Weight : 30 kg.