

DOMESTIC PRESSURE BOOSTER TRAINER



Experimental capabilities

- Identification of the components of a pressure booster
- Commissioning and operation control of the installation
- Adjustment of the booster and study of the operation
- Diagnosis and verification of electrical consumption
- Pump study

Operating principle

The SUR005 trainer allows the study of a water pressure booster. It is composed of a buffer water tank, a booster unit with a pump and expansion tank, a dedicated control box, the instrumentation allowing the study and all the components necessary for operation.

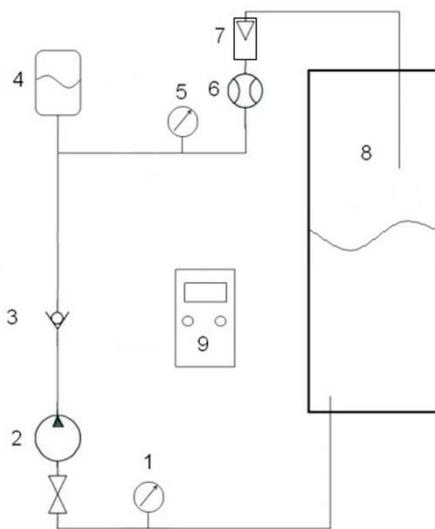
Students will have to identify all the components of the installation and then do the commissioning, adjustments and analysis of the operation.

The robust design of this device makes it suitable for use in schools.

The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

The manufacture of this equipment complies with the European standard for machinery manufacturing.

Illustrations



Technical details

1. Pressure gauge suction of the pump -1 to 0 bar
2. Water pressure booster unit
 - multistage pumps
 - stainless steel body
3. check valve
4. Expansion tank 50L
5. Booster discharge pressure gauge 0 to 6 bar
6. Diaphragm flow control valve
7. Float flow meter 0-6m³/h
8. Buffer tank 75L
9. Electrical box with power supply, energy meter, voltage measuring sockets and current measuring wires.
10. The bench is installed on an aluminum profile structure equipped with 4 directional castors with brake

Services required

- Electrical supply : 230 Vac – 50 Hz – 6 A
- Electrical network : 1 phase(s) + Neutral + Earth.
- Water supply : filling
- Dimensions: (LxWxH mm): 1000 x 800 x 1500
- weight (Kg): 90

Note : if the equipment installation is operated by our staff, all supplies and exhaust connections required must stand at less than 2m from the machine

Documentation

- User's manual
- Technical documentation of the components
- Lab exercises
- Wiring diagram
- Hydraulic diagram
- Certificate of conformity CE