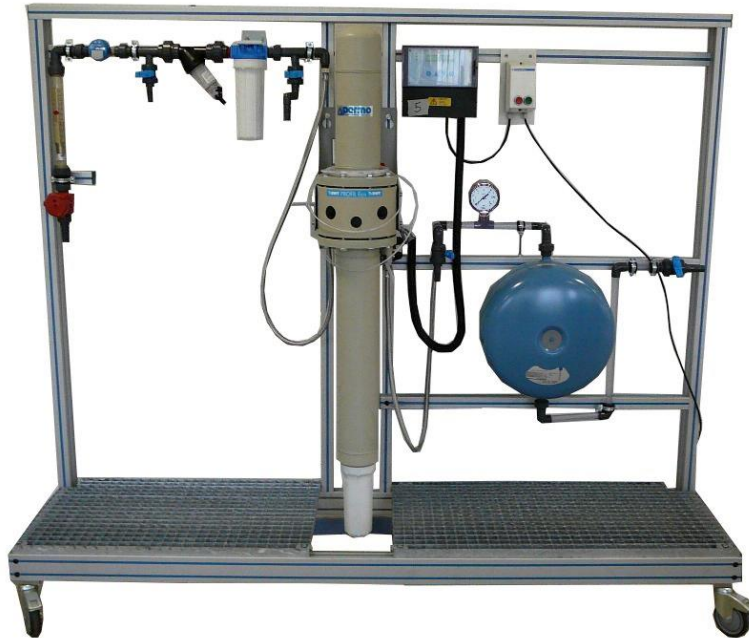


STUDY OF A DOMESTIC OSMOSIS UNIT



Experimental capabilities

- Study of a water treatment installation for domestic osmosis unit
-
- Setting up a domestic osmosis unit (pressure, conductivity thresholds, running time ...)
-
- Role of the various components
-
- Use of different water analysis methods (strips and colorimetric analysis)

Operating principle

The test bench consists of the elements necessary for the treatment of water, they are fixed on frames made of aluminum profiles, and the set mounted on castors is easily mobile.

The network water is first treated by an activated carbon filter, and then osmosed

The network is made in PVC tube

Sample taking are being planned at various points of the circuit.

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

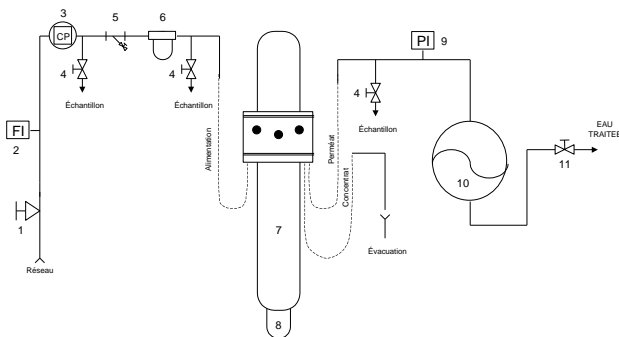
The equipment is set up on an Anodized aluminium frame on casters wheels. This gives it great strength and a flexibility of integration into your premises.

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

This equipment can be used alone or with other compatible equipment from our range (see last section of this document).

Illustrations

Technical details



- 1- Multi-turn control valve
- 2- Float flowmeter
- 3 -Volumetric meter
- 4- Sampling valve
- 5 -Strainer
- 6- Activated carbon filter
- 7- Domestic osmosis unit
- 8- Cartridge filter
- 9- Pressure manometer
- 10 -Buffer tank
- 11- Treated water outlet valve

Services required

Documentation

- Electrical supply : 230Vac – 50 Hz – XX A
- Water supply : network
- Water drain : on the floor
- Dimensions: (LxWxH mm): 1800 x 800 x 1700
- weight (Kg): 120

- User's manual
- Pedagogical manual
- Technical documentation of the components
- Certificate of conformity CE

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