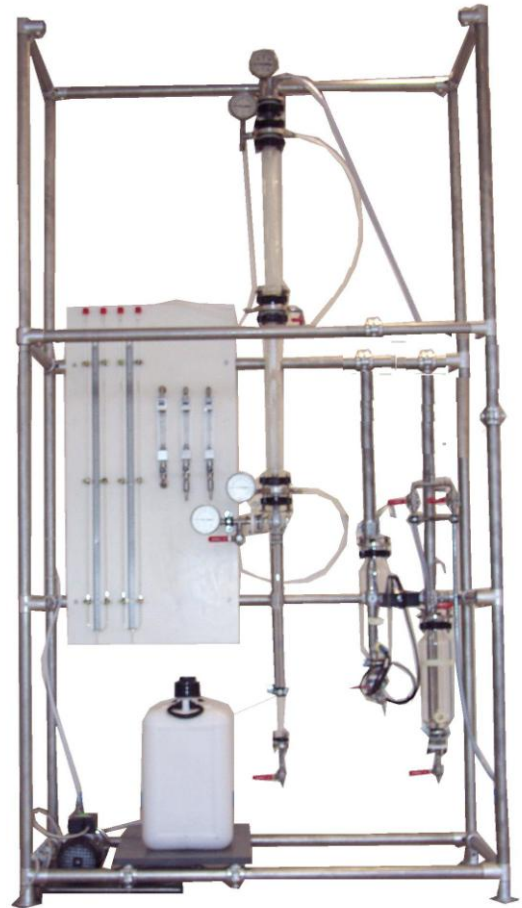


## Gas/liquid absorption

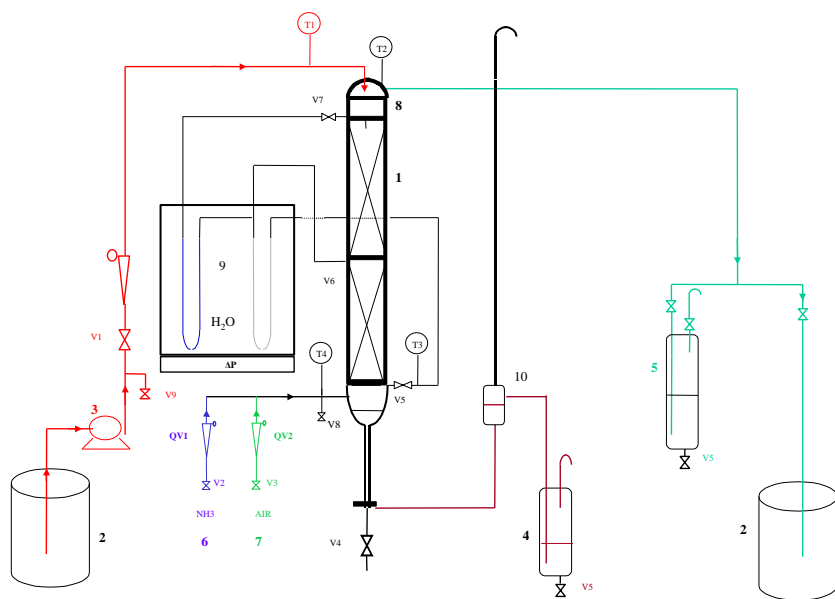
### DESCRIPTION

- Specific operation, which allows the separation of components of a gaseous mixture through a liquid solvent, by affinity (solubility).
- The gas/liquid absorption is made in back run in continuous or batch mode. Samples tapping is provided in order to make measurements of temperature and pressure. The flow rate of the fluids is measured and controlled.
- The unit includes a user manual.



### SUGGESTED APPLICATIONS

- Study of a continuous process
- Determination of the coefficients of material exchange (HUT-NUT)
- Determination of the number of theoretical changes
- Result of obstruction of the column
- Material balance by continuous monitoring of the pH and regulation of the flow rate of the various fluids.
- Industrial applications



## 1- Absorption column

- Borosilicate glass
- Diameter : 50 mm
- Height : 1200 mm

## 2- Supply tanks

- Volume = 30 l
- In polyethylene

## 3- Supplying diaphragm pump

- Stainless steel top – 316 L
- Flow rate : 22 L/h
- Membrane pump

## 4- Extract receiver

- Borosilicate glass
- Volume = 2 l

## 5- Receiver for purified gas

- Borosilicate glass
- Volume = 2 l

## 6- Flow meter for inert gas

- With needle gate
- Flow rate 0-100 L/min STP

## 7- Flow meter for gas to be absorbed

- With needle gate
- Flow rate 0-48 L/min STP

## 8- Dispatching supply plates

- Stainless steel – 316 L

## 9- Pressure losses panels (in mm WC)

- U Tubes
- Borosilicate glass

## 10- Barometric leg

- Permits adjustment of the phase in top column

## Temperature sensors with 4 ways indicators

- T1 : Solvent inlet
- T2 : Top column temperature
- T3 : Substructure temperature
- T4 : Gaseous mix inlet

## Electric cabinet

- Interrupter general with low voltage light...
- With all the elements necessary for the good working and the safety of the machine : fusible.
- Emergency stop, differential 30 mA ...
- Buttons for the pump

## UTILITIES

Electricity : 200-240 V – 50/60 Hz  
10 A

## DIMENSIONS

Length : 1300 mm  
Width : 630 mm  
Height : 2500 mm