

## Regulation of pH with dosing pump

### DESCRIPTION

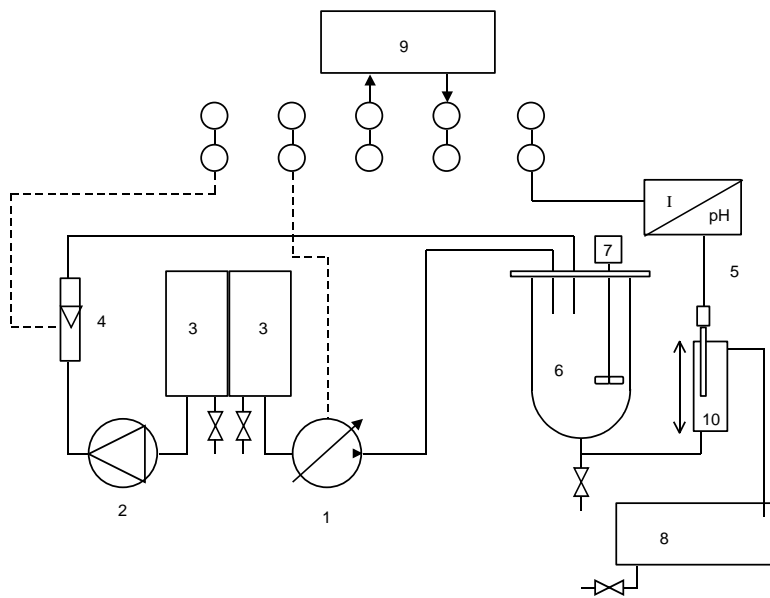
- The unit is delivered complete with instrumentation, technical documentation, and instructions.
- Designed and manufactured to industrial standards.
- This unit is designed for various levels and fields of study.
- May be connected to a recorder.



### SUGGESTED APPLICATIONS

- Study of the components found in a regulation loop.
- Sensor, regulator, actuator and disturbing element
- PID or self-adaptive
- Configuration of the regulator
- Characteristic curves

# RPH 110



## UTILITIES

Electricity : 230 VAC single-phase

## DIMENSIONS AND WEIGHT

Length	: 880 mm
Width	: 530 mm
Height	: 570 mm
Weight	: 47 kg.

1. **Dosing pump** to supply the reactor
2. **Positive displacement pump** to supply the reactor
3. **Tanks** of acid and basic solutions
4. **Flow meter** with oval wheel and **converter** - 4-20mA
5. **Probe** for measuring pH and **converter** - 4-20mA
6. **Reactor** – borosilicated glass **V=3L** with draining valve
7. Variable speed **agitator**
8. **Recuperation tank**
9. **PID regulator** with microprocessor – configurable scale range  
Relay, logical and continuous outlet  
self-adaptive : PID parameters calculated by the regulator
10. **Barometric sensor** for managing the level of liquid in the reactor