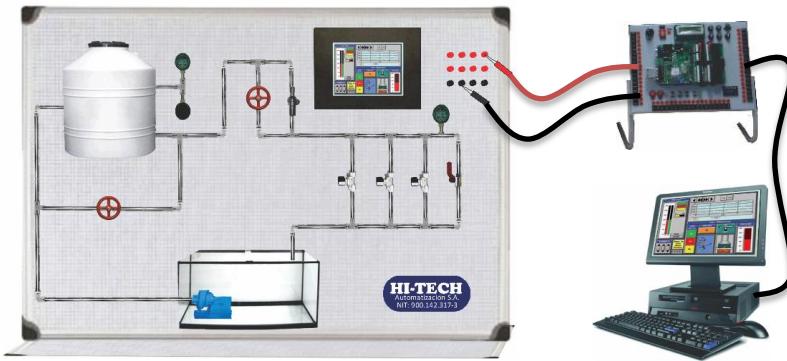




# Mini Planta de Agua



**LT - W - 01**



## Filtering and distribution

This trainer allows to understand the operation of system to supply urban and rural locations.

From the educational point of view this plant allows you:

- To observe the electrical behavior of a tri-phase motor, measuring of its electrical parameters, usages and consumption optimization, efficiency, traceability, consumption and operational cost.
- Manual and electrical activation of different control valves to command conditions on water supply capacity of a municipality water system.
- Variable measurement of related variables like pressure, flow, level. Alarm signal to help in control decisions.
- Verifying the way a simple filtering system works and XX the effects on water purification of water supply system. The filter can be removed.
- Understanding of water extraction on rural locations.

If you get our PTS F1616 trainer to use it as control element, you can make also the following:

- Display information of pressure and flow variables.
- Control and simulation of water usage in manual or automatic ways.
- Measurement of all related electrical parameters such as: phase currents, phase voltage, active power, reactive power, power factor and KWH.
- Develop efficient pump usage according to the availability of auxiliary pressure tank and pressure range.
- Continuous pressure control without the auxiliary pressure tank (by-pass/manual).

If you get tour optional, PC with SACADA you can see the process from the computer and perform control actions.



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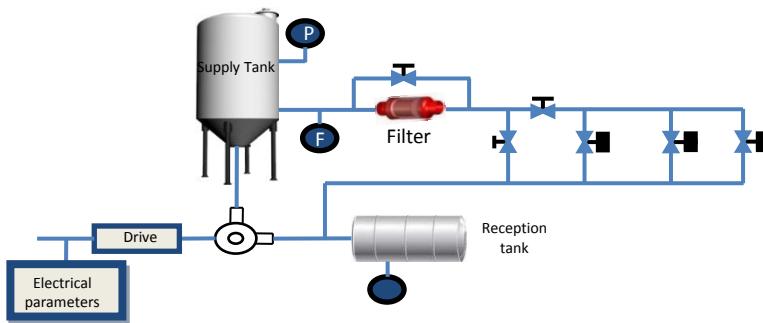


## Technical Specifications:

- Power Supply: 3  $\phi$ , 220 VAC.
- Amperage: 3 Amp.
- Weigh: 200 kg.
- Size: 2m x1, 50 x 70 cm.
- Overprotection pressure.
- Level water detection to protect the pump.
- Metal chassis.
- All signals in the panel control.

## Include

- Hydraulic pump.
- 2 Pressure transducer.
- 2 water supply tanks
- 3 electro valves.
- 3 manual valves.
- 1 filter.
- Level control
- Operator and training manuals.



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experience in education  
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**More realistic lab practices**

## Other Products

- Climate change Fitotron.
- Algae Biofuel Pilot Plant.
- Bioethanol Plant.
- Inverter Pendulum.
- Speed, position and generation plant.
- PLC trainer (Generic, AB, Simens, e.t.c.).
- Solar heating system.
- Hydrogen cells trainer.
- Solar and Eolic energy trainer.
- Water supply plant.
- Motor-generator plant.
- Drives.
- SCADA.
- Others didactic process (in preparation)
- Motor-generador.
- Drives.