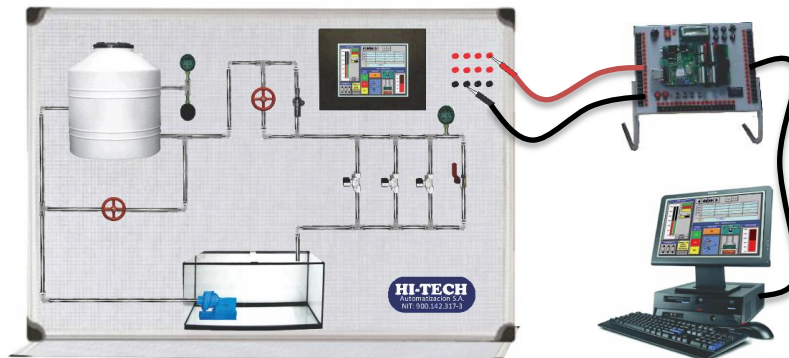




# Mini Planta de Agua



## 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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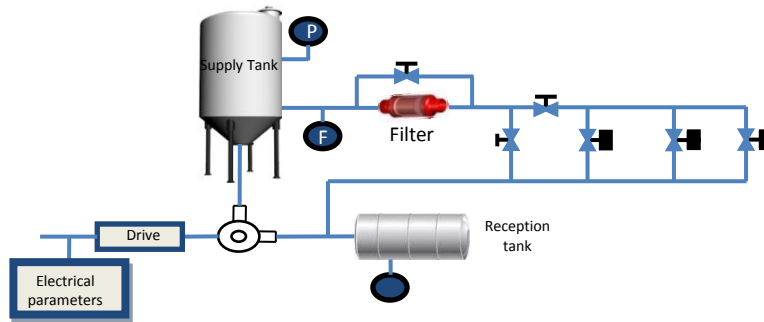


## Technical Specifications:

- 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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**Miami 33016, FL, USA**

**Discover and new  
 experience in education  
 and research.**

**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-generator.
- Drives.