



THE LAB EQUIPMENT

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**Product Name :**

Pressure Process Training

**Product Code :**

SLE/EE/08



## Description :

**The main parts of the Pressure Process Training system are:**

- Reservoir.
- Three-speed pump.
- Industrial controller with auto-tune.
- Pneumatic control valve.
- Pressure accumulator.
- Two-channel chart recorder.
- Current-to-pressure (IP) converter.
- Gauge pressure transmitter.
- This alters the pressure in the accumulator.
- To perform experiments, students fill the reservoir with clean water and prime the system.
- They then set the controller to regulate the flow of water using a pneumatic valve.
- A pressure transmitter measures the accumulator pressure and gives feedback to the controller.

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