

**Product Name :**  
Manual Batch Distillation Pilot Plant India

**Product Code :**  
NLAB-ENGINEERINGLB36019



**Description :**

Manual Batch Distillation Pilot Plant

**Technical Specification :**

Tank for the collection of distillate with 1 liter capacity.

The tube in tube heat exchangers manufactured from stainless steel

6 thermocouples with probes protected by stainless steel shield sleeves

6 electronic temperature indicators

Distillation column height 600 mm with 7 bubble cap trays.

Re-boiler with 4 liters capacity complete with 1600 W electric heater.

Condenser with reflux head.

Pneumatic valve for controlling the condenser cooling water made of stainless steel

Residual pressure electronic transmitter made of stainless steel with a range of 0-1000 mbar and 4-20mA output signal.

Pneumatic valve for controlling the residual pressure made of stainless steel

Vacuum gauge range 0 to 1 bar

The electrical control panel in the main cabinet

Vacuum circuit with trap

Pipework and valves manufactured from stainless steel.

Microprocessor digital PID controller with the serial card.

Residual pressure electronic transmitter made of stainless steel with a range of 0-1000 mbar and 4-20mA output signal.

Pneumatic valve for controlling the residual pressure made of stainless steel

2x electropneumatic converters 0.2 to 1.0 bar and 4-20mA signals

Thyristor unit for controlling the power to the re-boiler electric heater.

2x programmable timers for the control of reflux ratio

Variable-area flow meter made of stainless steel with a range 20 to 250 liters/hour and 4-20mA output signal

Oil vacuum pump with trap and flow rate of 4m<sup>3</sup>/hour

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