Product Name :	**Product Code :**
Automated Continuous Distillation Pilot Plant	NLAB-ENGINEERINGLB36005

Description :

Automated Continuous Distillation Pilot Plant

Technical Specification :

Automated Continuous Distillation Pilot Plant Lab Equipments Manufacturer, Suppliers & Exporters Automated Continuous Distillation Pilot Plant

- Distillation column height 600 mm with 7 bubble cap trays.

- Reboiler with 3 litres capacity complete with 1600 W electric heater.

- Condenser with reflux head .

- Feeding tank with 5 litres capacity.

- Tank for collection of distillate with 1 litre capacity.

- Tank for collection of bottoms product with 2 litres capacity.

- Three tube-in-tube heat exchangers.

- Metering pump with flow rate of 0 to 8.5 litres / hour.

- 6 digital thermometers with probes protected by stainless steel shield sleeves.

- 6 electronic indicators

- Thyristor unit for controlling the power to the reboiler electric heater

- 2 programmable timers for the control of reflux ratio.

- Vacuum circuit with trap

- Pipework manufactured from stainless steel

- Electrical control unit IP55, complying with EC standards

- Emergency stop button.

- Oil vacuum pump with flow rate of 4 m3 h

- Variable area flow meter with a range of 20 to 250 l/h and 4-20 mA output signal

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- Pneumatic valve for controlling the flow rate of the condenser cooling water, Cv = 0.32.

- Pneumatic valve for controlling the residual pressure, Cv = 0.32

- 2x electro-pneumatic converters 4 to 20 mA / 0.2 to 1 bar.

- Electronic residual pressure transmitter range of 0 to 1000 mbar, 4-20 mA output signal

- Microprocessor digital PID controller with serial card

Naugralabequipments

Website: www.naugralabequipments.com, **Email:** sales@naugralabequipments.com

Address: 6148/6, Guru Nanak Marg,Ambala Cantt,Haryana,India. **Phone:** +91-9896600003