

Product Name :
Automated Batch Distillation Pilot Plant

Product Code :
NLAB-ENGINEERINGLB36002



Description :

Automated Batch Distillation Pilot Plant

Technical Specification :

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

Automated Batch Distillation Pilot Plant

- Distillation column height 1,100 mm with stainless steel mesh packing
- Reflux head with solenoid valve for control of reflux ratio.
- Reboiler with 5 litres capacity complete with 2,500 W electric heater.
- 2 graduated tanks for collection of distillate with 1 litre capacity
- Tube-in-tube heat exchangers manufactured from AISI 304 stainless steel for cooling the distillate.

- 8 thermocouples with probes protected by stainless steel shield sleeves.
- 8 electronic temperature indicators.
- Thyristor unit for controlling the power to the reboiler electric heater.
- 2 programmable timers for the control of reflux ratio
- Electronic indicator for display of differential pressure
- Flow meter for measuring the flow rate across the condenser with a range 0 to 250 litres / hour.
- Vacuum gauge range ± 1 to 0 bar.
- Liquid ring vacuum pump 700 W with air/water separator and check valve.
- Electrical control panel in main cabinet
- Emergency stop button
- Variable area flow meter with a range of 0 to 250 l/h and 4-20 mA output signal.
- Pneumatic control valve DN15, $C_v = 2.5$
- Electro-pneumatic converter 4 to 20 mA / 0.2 to 1 bar.
- Electronic absolute pressure transmitter range of 0 to 1000 mbar, 4-20 mA output signal.

Naugralabequipments

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