

Product Name :
Automated Batch Distillation Pilot Plant

Product Code :
ASTRALAB-SUPPLYA21012



Description :

Automated Batch Distillation Pilot Plant

Technical Specification :

Reboiler with 5 litres capacity complete with 2,500 W electric heater.

Reflux head with solenoid valve for control of reflux ratio.

Distillation column height 1,100 mm with stainless steel mesh packing.

8 thermocouples with probes protected by stainless steel shield sleeves.

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.

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 \approx 1 to 0 bar.

8 electronic temperature indicators.

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

Variable area flow meter with a range of 0 to 250 l/h and 4-20 mA output signal.

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.

Liquid ring vacuum pump 700 W with air/water separator and check valve.

Electrical control panel in main cabinet.

Emergency stop button.

Pneumatic control valve DN15, Cv = 2.5.



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