Product name:	Product code:
Automated Continuous Distillation Pilot Plant	Chemical0032



Description

Automated Continuous Distillation Pilot Plant

Technical specification

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

Automated Continuous Distillation Pilot Plant

Specifications:

NAUGRA®

Civil Laboratory Equipment Manufacturers and Suppliers India Civil Lab Exportrs India

Email us at: export@civilmechanicalindia.com

- 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 pt100 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.