

Product Name :
Distillation Columns**Product Code :**
ALABS-A104-297**Description :****Distillation Columns**

- Self-contained sieve plate distillation column unit including reboiler, condenser and reflux tank, suitable for use with flammable solvents and fully instrumented for batch operation.
- Temperatures throughout the process including those on each and every sieve plate are monitored and displayed on a bench mounted control console, via a selector switch. The console also houses controls for the power supplied to the reboiler heater and for reflux ratio settings between 0 and 100%.
- The console front panel connections enable the use of standard laboratory recorders and data loggers and of industry-standard PID and PLC controllers (not supplied).
- A U-tube manometer is incorporated to measure pressure drop over the distillation column.
- The 50mm diameter sieve plate column may be readily interchanged with a packed column supplied as an alternative.
- A vacuum system enables operation at reduced pressures down to 200mbar(abs).

- The unit is supplied completely assembled including lagging, and a comprehensive instruction manual describes commissioning, maintenance and instructional assignments.

Description:

The unit is a self-contained and fully instrumented distillation facility, suitable for practical laboratory work relevant to the teaching of unit operations. The equipment employs galvanically isolated intrinsically safe circuits and flameproof devices as appropriate, to enable safe distillation of standard test mixtures such as methylcyclohexane-toluene, methyl alcohol-water etc. The equipment consists of two interconnected units: a floor standing process unit and a bench-mounted control console.



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