

Product Name :
Packed Distillation Column

Product Code :
Transfer0004



Description :

Packed Distillation Column

Technical Specification :

Packed Distillation Column The setup is designed to demonstrate principles of distillation in a Packed Column.

The column is made of Stainless Steel material packed with Borosilicate Glass rasching rings. An electrically heated re-boiler is installed at the bottom of the column. The bottom product is collected in the tank. The vapors from the top of column are condensed in the shell and tube

type condenser by circulating cooling water and it is supplied by laboratory overhead tank.

The

condensate is divided into reflux and distillate by automatic reflux divider and R/D Ratio can be varied. Reflux is fed back to the column and distillate is received in a receiving tank. The complete column is insulated for minimizing the heat loss. Instrumentation is done for pressure & temp measurement wherever is necessary

Experiments

To study the Packed Distillation Column

Features

Stainless Steel tanks and wetted parts

Superb Painted structure

Simple to operate & maintain

Compact & stand alone set up

Utilities Required

Water Supply 2 LPM at 5 m head

Drain

Electricity Supply: 1Phase, 220 V AC, 6.5 kW

Required Chemicals

Refractrometer for analysis

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