

Product Name :

Bubble Cap Distillation Column-Engineering

Product Code :

Transfer0003

**Description :**

Bubble Cap Distillation Column-Engineering

Technical Specification :

Bubble Cap Distillation Column-Engineering Teaching Equipment The setup is designed to demonstrate principles of distillation in a Bubble Cap column.

The column is made of Stainless Steel with seven plates for mounting the bubble caps. Each plate is provided with one bubble cap. An electrically heated re-boiler is installed at the bottom of the column. The vapors from the top of column are condensed in the shell and tube type condenser by circulating cooling water 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 Bubble Cap 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

Electrical and Electronics

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