



Product Code . JL-FMAHLE-7324

Packed Distillation Column

Description

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.

The vapors from the top of the column are condensed in the shell and tube type condenser by circulating cooling water and it is supplied by laboratory overhead tank.

An electrically heated re-boiler is installed at the bottom of the column.

The complete column is insulated for minimizing the heat loss.

Instrumentation is done for pressure & temp measurement wherever is necessary.

The bottom product is collected in the 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.

Experiment:-

To study the Packed Distillation Column.

Feature:-

Stainless Steel tanks and wetted parts.

Simple to operate & maintain.

Superb Painted structure.

Compact & stand alone set up.

Utilities Required:-

Water Supply 2 LPM at 5 m head.

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

Drain.

Refractometer for analysis.

Required Chemicals.
