

Product Name :
York Scheibels Extraction Column

Product Code :
Transfer0002



Description :

York Scheibels Extraction Column

Technical Specification :

York Scheibels Extraction Column The setup is designed to demonstrate principles of extraction and mass transfer operation in a YORK SCHEIBEL'S column.

The set up consists of a glass column, feed tanks, air regulator with pressure gauge, receiving tanks and piping. Rotameter are provided for flow measurement.

The

glass column is divided into multiple stages; each stage consists of a woven wire mesh (calming) section and a mechanical agitation section. The agitator speed can be varied by drive. The presence of alternatively agitating and calming sections yield higher extraction efficiency than conventional packed column

Experiments

Determination of overall height of a transfer unit and overall volumetric mass transfer coefficient

Features

Stainless Steel tanks and wetted parts

Special arrangement for changing height of interface zone

Continuous operation

Superb Painted structure

Simple to operate & maintain

Compact & stand alone set up

Utilities Required

Electric

supply Provide 230 +/- 10 VAC, 50 Hz, single phase electric supply with proper earthing. 5A, three pin socket with switch for Compressor

Chemicals for trial as per your choice

Compressed Air supply: Clean, oil and moisture free air, pressure 2 Bar.

Water Supply & Drain as required

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