



MULTIFUNCTION LIQUID-LIQUID EXTRACTION & DISTILLATION PILOT PLANT

RR 141

Description:

This pilot contains both liquid-liquid and distillation columns. The process involves two different phases. In the first phase a liquid-liquid column is used for extracting liquids where as in the second phase a distillation column is used for the separation process that includes the partial evaporation of a liquid phase and the condensation of the resulting gas phase. The separation process of rectification is an energy-efficient distillation process with several stages.

Specifications:

- Glass column with glass rushing
- Reservoir tank for solvent (water)
- Two centrifugal pumps for solvent and feeding
- Solenoid valve
- Tanks for feed and Product
- Rotameter
- Control valve
- Drain and sampling valve from end of tower.
- Electrical heater
- Peristaltic pumps
- Glass distillation tower for purification of feed solvent with boiler and condenser
- Electrical control panel with displays and switches
- Temperature sensors
- Piping system with valves and fittings
- Wheeled carbon steel structure
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Investigating effect of various parameters on separation

Required For Operation:

- 220V Single Phase Electricity
- Urban Water Supply
- Urban Water Drainage
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

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Dimensions (L*W*H) mm:1400×900×2000

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