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Product Name :

Gas Contactor Distillation Column Demonstrator

Product Code :

LBNY-0005-1910008



www.laboratoryinstrumentindia.com

Description :

The column demonstration apparatus is a small scale vessel that models the operation of a gas contactor or distillation column using air and water as working fluids. Column staging internals show:

Tray columns using sieve, valve and bubble-cap trays

Packed columns using both random and structured packing

Function:

The process has manual control valves with rotameters and is intended to demonstrate contactor distillation principles with basic visual manual operation.

Gas Contactor Distillation Column Demonstrator process uses air and water to emulate column dynamics. Water is recycled; the air is vented to atmosphere.

Technical Specification :

Process Specification:

Continuously flow

Digital manometer and strategically located quick-connects are provided to allow pressure drop measurement to be made.

Rotameters for fluid flow measurement

Working fluids air and water.

Specifications:

Centrifugal pump for water

Regenerative air blower

Clear PVC vertical vessel and process piping
6 dia. x 52" (150 x 1320 mm) vertical column
Complete unit mounted on a utility size cart for ease of movement and storage
Water storage tank in base of column
Overall dimensions 90 x 60 x 150 cm high (36" x 24" x 60" high).



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