

Product Name :
Absorption In Packed Bed**Product Code :**
ALABS-A153-021**Description :****Absorption In Packed Bed**

The set up consists of glass column packed with rasching rings, feed tank, CO2 cylinder with regulator, air regulator with pressure gauge, rotameter, receiving tray and piping. Metered quantity of fluid is distributed over the packing while metered gas and airflow is passed through the bed vertically upwards.

The gas air mixture is absorbed in the liquid. All the flow rates can be independently varied to simulate different conditions and by measuring the concentration of gas absorbed in the liquid the overall volumetric mass transfer coefficients can be calculated

Experiment :

- Determination of overall gas transfer coefficient

Features :

- Continuous operation
- Superb Painted structure
- Simple to operate & maintain
- Compact & stand alone set up
- Stainless Steel tanks and wetted parts

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** Sodium Hydroxide (NaOH)- 40gm, Hydrochloric Acid (HCl) 1N- 500ml, Barium Chloride (BaCl₂) – 100gm, Phenolphthalein indicator-10ml, Methyl orange indicator- 10ml **(Or as per your choice)**
- **Compressed Air supply using a compressor:** Clean, oil and moisture free air, pressure 5 Bar.
- **Water Supply & Drain as required**



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