

**Product Name :**  
Absorption in Sieve Plate Column**Product Code :**  
ALABS-A153-012**Description :****Absorption in Sieve Plate Column**

The set up consists of stainless steel column fitted with perforated plates, feed tank, CO2 cylinder with regulator, air regulator with pressure gauge, Rotameter, receiving tanks and piping. Metered quantity of fluid is distributed over the packing/perforated plates 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

**Feature :**

- Continuous operation
- Superb Painted structure
- Simple to operate & maintain
- Compact & stand alone set up
- Borosilicate glass section for visualization the process
- 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 (BaCl<sub>2</sub>) – 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**



## Equipments Exporters

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