

Product Name :
Absorption in Sieve Plate Column

Product Code :
ChemicalMT-10002

Description :

Gas absorption studied on perforated plates. A stainless steel column fitted with sieve plates is served by a feed tank, a CO₂ cylinder with regulator, an air regulator with pressure gauge, a rotameter, receiving tanks and connecting pipework. Liquid is metered onto the plates while the metered gas and air stream rises through the column, and a borosilicate glass section lets the class watch the process as it runs. Flow rates are adjusted independently to simulate different operating conditions, and measuring the concentration of gas absorbed in the liquid gives the overall volumetric mass transfer coefficient.

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