

**Product Name :**  
Hydrodynamics of Packed Bed

**Product Code :**  
NLAB-TECHNICALAB32006



**Description :**

Hydrodynamics of Packed Bed

**Technical Specification :**

Hydrodynamics of Packed Bed the set up is capable to study the loading and flooding characteristics. It is a packed column packed with Raschig Rings where the Air is counter currently fed to column. Liquid holdup in the column increases the weight of column and also reduces the effective porosity of packing. This reduction in porosity decreases the gas velocity, increases the pressure drop and changes the value of mass transfer co-efficient. The water is fed from the top of the column and loading & flooding characteristic are observed on various flow rates of Air and Water.

Scope Of Experiment:

To study the loading and flooding characteristics in a packed column

Utilities Required:

Compressed Air Supply at 2 Bar, 2.5 CFM

Water Supply and Drain

Electricity 500 watts, 220 V, 1 Phase

Floor Area 0.75 m x 0.75 m

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