

## Fluidized Bed Characteristics



**Product Categories:** [Engineering Equipment](#), [Momentum Transfer Lab](#)

**Product Page:** <https://www.labappara.com/product/fluidized-bed-characteristics/>

### Product Description

#### Fluidized Bed Characteristics

##### **Description:**

The set up consists of 3 glass columns. One column is provided with glass beads for fluidization study. Two columns are packed with different packings, i.e. one filled with Rashing Rings and other one is filled with barrels saddle. Pressure drop can be measured by manometer. The set up studies in fluidization characteristics and relationship between the velocity of the fluid and pressure dropper unit length. The apparatus is close circuit type provided with suitable capacity tank, FHP pump, necessary pipe line valves and a Rota meter to measure the flow rate of fluid . An valve arrangement is provided too sperate any single column at a time. The set up is fitted on a MS frame painted with good quality paint.

##### **TECHNICAL SPECIFICATION:**

Column	:	Material Borosilicate Glass(3 Nos.)
Packing	:	Glass Beads, Rashing rings, Barrel saddle (for each of the column)
Water tank	:	Material Stainless Steel, Capacity 30 Ltrs.
Water Circulation	:	FHP Pump, Crompton make.

Flow Measurement : Rota meter for water  
Pr. Drop Measurement : By Differential Manometer