Product name:	Product code:
Fluidized Bed Charcterstics	Transfer0017



Description

Fluidized Bed Charcterstics

Technical specification

- Column : Material Borosilicate Glass.
- Packing : Glass Beads
- Water tank : Material Stainless Steel, Capacity 30 Ltrs.
- Water Circulation : FHP Pump, Crompton/Sharp make.
- Flow Measurement : Rotameter for water
- Pr. Drop Measurement : Manometer

Fluidized Bed Charcterstics

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The setup consists of a glass column with fluidizing material i.e. beads, SS mesh to support the beads and with calming section. Pressure drop across fluidization can be measured by manometer. The setup studies in fluidization characteristics and relationship between the velocity of the fluid and pressure drop per unit length. The apparatus is close circuit type provided with suitable capacity tank, FHP pump, necessary pipeline valves and a Rotameter to measure the flow rate of fluid. The setup is fitted on a MS frame painted with good quality paint.

Experimentation:

- To study fluidization characteristics.
- To study relationship between velocity of fluid and pressure drop per unit length.
- Utilities Required :
- Electricity 500 watts, 220 V, 1 Phase.
- Floor Area 0.75 m x 0.75 m.

Technical Details :