



FIXED AND FLUIDIZED BED APPARATUS

RB 254

Description:

When a fluid is pumped into a bed of particles such as glass beads, under specific conditions, the bed can behave like a fluid and exhibit fluid like characteristics like free flow under gravity. With the two columns installed on this apparatus and adjustable air and water flow rate system, the different fixed and fluidized bed experiments can be conducted.

Specifications:

- Air compressor
- Air regulator or rotameter
- 2 transparent columns
- Glass beads
- Water pump
- Water rotameter
- pressure measuring system in columns
- Ability to adjust and calculating of air flow
- Water Tank
- Piping and fittings
- Installation and training video included
- Instructions manual included
- 10-year warranty

Note: Direct contact with the sales department is required to confirm the last updated technical specifications and pictures.

Applications:

1. Observing the working principle of fluidization
2. Pressure drop through fluidized beds, for air and water systems
3. Fluidization initiation
4. Effect of flow rate on the fluidization
5. Water and air fluidization difference

Required For Operation:

- 220V Single Phase Electricity
- Desirable Temperature (°C): 10-30
- Relative Humidity: 15% - 80%

Dimensions (L*W*H) mm: 1300x 450 x 700