



Solid in Air Diffusion Apparatus 32392 uses a packed bed of spherical balls of a solid in a vertical tube, and observing its rate of diffusion into stream of air passed across the top of the tube can conveniently study the diffusion of solid into air. The equipment is fitted with a vertical glass column with a mesh near the base of column to hold the spherical balls. Spherical balls of known weight and diameter are filled in the column to make a packed bed. Air is allowed to pass through the silica gel chamber. From the bottom of the column, dry air is allowed to enter in the packed bed.

Specifications

- Diffusion Column: Material Borosilicate Glass
- Air flow Measurement: By Rotameter (Reputed make).
- Pressure gauge (Reputed make): Bourdon type, 0- 2 kg/cm²
- Pressure regulator: 0-2 kg/cm²
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Experiments

- To calculate the mass transfer co-efficient of vaporization of naphthalene in air using a packed bed of spherical particles of naphthalene.

Required Services

- Electricity Supply: 1Phase, 220 V AC

Note: Specifications are subject to change.

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