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Product Name :

Absorption Tower Calcium Chloride

Product Code :

SLE/CH/28



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Description :

Absorption Tower Calcium Chloride (Product Code: SLE/CH/28) is a cylindrical glass drying tower with a tubule at its base, 335 mm tall and 65 mm in diameter, holding 250 ml of drying agent. Filled with anhydrous calcium chloride or a similar desiccant, it removes moisture from a gas stream passing through it, or protects a reaction vessel from damp air. It is used in chemistry teaching labs, college practicals and research setups, and is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, within our chemistry lab glassware range.

Specifications

Parameter	Detail
Type	Calcium chloride absorption (drying) tower
Material	Glass
Shape	Cylindrical, with tubule at base
Dimensions	335 mm height × 65 mm diameter
Capacity	250 ml

Typical Use

A drying tower sits in the gas line between the generator and the point of use. In a school or college gas collection apparatus, gas from a flask or Kipp-type generator enters through the tubule at the base, rises through the packed calcium chloride and leaves dry at the top, ready to be collected or passed into the next stage of the experiment. It can also be fitted to the inlet of an apparatus as a guard, so that air drawn in is dried first.

Place a plug of glass wool or cotton above the tubule so granules do not fall into the inlet, then fill with lumps or granules of drying agent, leaving space for another plug at the top. Clamp the tower upright on a stand, since a 335 mm glass column filled with desiccant is top-heavy. Replace the drying agent once it turns wet or cakes, and remember that calcium chloride is not suitable for drying every gas — check your procedure before use.

Manufacturer

The absorption tower is made by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** from Ambala, Haryana, and supplies laboratory glassware and apparatus to educational and research buyers. More information is on our company profile.

Related Chemistry Lab Equipment

Items used with a calcium chloride drying tower:

- Calcium Chloride — the drying agent used to pack the tower
- Calcium Chloride Tube, Borosilicate Glass — a smaller guard tube for flask necks and condensers

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