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Product Name :

Absorption Tube

Product Code :

SLE/CH/181



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Description :

Absorption Tube (Product Code: SLE/CH/181) is a U-form tube in heavy walled, clear borosilicate glass, 125mm long and 15mm in diameter, used to hold a solid absorbent or drying agent through which a gas stream is passed. Chemistry teachers and laboratory technicians useit to dry gases and to trap water vapour or carbon dioxide in analysis experiments. Part of our borosilicate glassware and chemistry lab equipment in India for school and college laboratories, it is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Material	Heavy walled borosilicate glass
Form	U-form
Colour	Clear
Length	125mm
Diameter	15mm
Properties	Heat resistant; chemical resistant

Typical Use

The tube is packed with granules of a suitable absorbent, with a loose plug of glass wool at each end to keep the solid in place, and both limbs are closed with stoppers carrying short glass tubes. Clamped upright, it sits in the gas line between a generator and the point of collection or measurement, so the gas has to pass through the whole length of the packing. The U shape doubles the contact path in a small footprint, and the clear glass lets students see when the absorbent near the inlet is becoming spent.

In quantitative work the filled tube can be weighed before and after the gas passes, and the gain in mass gives the amount of water or carbon dioxide absorbed. Heavy walls make the tube robust enough for repeated packing and cleaning, and the borosilicate glass copes with warm gases and reactive absorbents. As with all chemistry lab glassware in India’s busy teaching labs, avoid sudden temperature changes, and empty, rinse and dry the tube after each use so old absorbent does not cake inside.

Manufacturer

ScienceLab glassware like this absorption tube comes from Jain Scientific Equipments Private Limited, a laboratory apparatus company in Ambala, Haryana, serving teaching and training laboratories. Background on the company is available on our company profile.

Related Chemistry Lab Equipment

Items used with the absorption tube in a typical gas drying set-up:

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