Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Beehive Shelves

Product Code :

SLE/CH/191



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Description :

Beehive Shelves (Product Code: SLE/CH/191) are small white porcelain stands, 75 mm in diameter, that sit under water in a pneumatic trough and support an inverted gas jar while a gas is collected over water. Glazed both inside and out, they resist staining and are easy to rinse clean between experiments. Chemistry teachers in schools and colleges rely on them as a standardpart of gas collection apparatus for preparing oxygen, hydrogen and carbon dioxide in class. Theyare made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Material	Porcelain
Glazing	Glazed both inside and out
Colour	White
Diameter	75 mm
Application	For use in pneumatic troughs for gas collection

Typical Use

To collect a gas by downward displacement of water, fill the pneumatic trough, place the beehive shelf on its floor so it is covered with water, and lead the delivery tube from the reaction flask in through the opening at the side of the shelf. A gas jar filled completely with water is then inverted over the top of the shelf. As the reaction runs, bubbles rise through the shelf into the jar and push the water out; when the jar is full of gas, a cover is slid under its mouth before it is lifted away. This simple arrangement is a staple of junior science lab equipment because students can watch the gas displace the water.

Let the first few bubbles escape before placing the jar, since they are mostly air from the apparatus. After the lesson, rinse the shelf in clean water and dry it; the glazed surface does not hold residues. Porcelain can chip if dropped into a trough, so lower it in by hand.

Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab, is based in Ambala, Haryana and manufactures apparatus for chemistry, physics and biology teaching labs. The company is incorporated under CIN U29309HR2020PTC087597 and manufactures at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). See the company profile for more.

Related Chemistry Lab Equipment

The rest of a gas-collection-over-water set-up:

- Pneumatic Trough — the water trough in which the beehive shelf stands.
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