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Product Name :

Pneumatic Trough, Glass

Product Code :

SLE/CL/89



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Description :

Pneumatic Trough, Glass (Product Code: SLE/CL/89) is a wide, shallow water vessel for collecting gases over water, made from clear pressed soda-lime glass with a 25 cm diameter, a height of 12.5 cm and a capacity of 5000 ml. The transparent walls let students watch bubbles displace water from an inverted gas jar, which makes the classic gas-preparation experiments easy to follow. It is heat and chemical resistant and forms the centre of the gas collection apparatus used in school and college chemistry labs. It is manufactured by a laboratory instruments supplier in India, **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Material	Pressed soda-lime glass
Colour	Clear
Diameter	25 cm
Height	12.5 cm
Capacity	5000 ml
Resistance	Heat resistant and chemical resistant

Typical Use

The trough is filled with water and a gas jar, also full of water, is inverted into it and rested on a beehive shelf. A delivery tube from the gas generator is led under the shelf, and the gas bubbles up into the jar, pushing the water out. This downward displacement of water is how oxygen, hydrogen and other gases that are only slightly soluble in water are prepared and collected in practical classes, and it is a standard part of school chemistry lab equipment in India. Biology teachers also use the trough to hold water plants under an inverted funnel when demonstrating the oxygen given off in photosynthesis.

Set the trough on a flat, stable bench before filling it, as a full vessel is heavy. When heating a generator flask, always withdraw the delivery tube from the water before removing the flame to prevent water being sucked back into the hot flask. After the experiment, empty and rinse the trough with water, and dry it before storage; handle it with both hands and avoid knocks against hard surfaces.

Manufacturer

ScienceLab is the brand of Jain Scientific Equipments Private Limited, a company headquartered in Ambala, Haryana, that makes chemistry and general laboratory apparatus for teaching institutions and dispatches orders to schools, colleges and dealers. An overview of the company is on the about us page.

Related Laboratory Equipment

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