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Product Name :

Pneumatic Trough

Product Code :

SLE/P/07



Science Lab

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Description :

Pneumatic Trough (Product Code: SLE/P/07) is a water trough with a built-in bridge, used to collect gases over water in school and college chemistry practicals. Teachers pick it because the coloured trough is resilient, rustproof, lightweight and noise free, and its bridge holds four 8-oz widemouthed bottles at once. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** , Ambala, a laboratory equipment supplier in India, alongside the other gas collection apparatus schools use for these experiments.

Specifications

Parameter	Detail
Trough	Coloured; resilient, rustproof, lightweight and noise free
Bridge	Built in
Bottle capacity of bridge	Holds four 8-oz widemouthed bottles
Connections	Inlet connection and overflow outlet, each taking 1/4-inch (about 6 mm) diameter tubing
Product code	SLE/P/07
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Pneumatic Trough Used For?

A pneumatic trough is the classic way to collect a gas that does not dissolve much in water, such as oxygen or hydrogen prepared in class. The trough is filled with water, a bottle or gas jar is filled, inverted and stood on the bridge, and the delivery tube from the gas generator is led underneath. Bubbles rise into the bottle and push the water out, so students can see exactly how much gas has been produced.

The built-in bridge means no separate beehive shelf is needed, and holding four bottles lets a group collect several samples in a row for tests such as the glowing splint or the lighted splint. Lead the overflow outlet to a sink or bucket so excess water drains away, and take the delivery tube out of the water before stopping any heating, so water cannot be sucked back into hot glassware. Being rustproof, the trough can simply be rinsed and left to dry.

What to Specify When Ordering

- The number of troughs, usually one per practical group.
- Whether you also need widemouthed bottles or gas jars to stand on the bridge.
- Tubing for the 1/4-inch inlet connection and overflow outlet.
- Any colour preference, which we will confirm on the quotation.

Supplier

The Pneumatic Trough is supplied by Jain Scientific Equipments Private Limited, the Ambala, Haryana company that trades as ScienceLab, as part of its Scientific Lab Plasticware range. Scho
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