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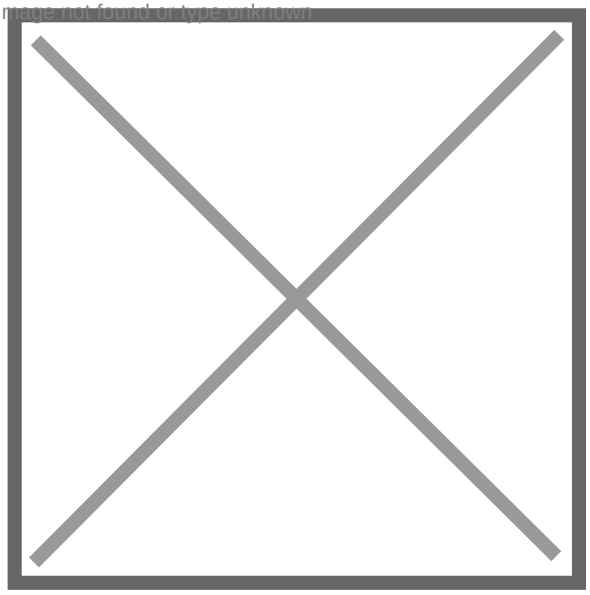
Product Name :

Simple appliances for cooking gases lighter than air

Product Code :

SCI-988/09

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Description :

Simple appliances for cooking gases lighter than air (Product Code: SCI-988/09) is a test-tube gas generator used to prepare gases lighter than air and collect them by upward delivery, a basic item of school chemistry lab equipment. An 18 mm × 160 mm glass test tube holds the reactants, and a straight 8 mm glass outlet through a holed rubber stopper points the gas upwards. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Test tube	Glass, 18 mm diameter
Test tube length	160 mm
Outlet tube	Glass, straight
Outlet tube outer diameter	8 mm
Stopper	Rubber, with a hole
Product code	SCI-988/09
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Apparatus for Gases Lighter than Air Used For?

In this catalogue name, “cooking” means preparing: the set generates a gas and lets it be collected by upward delivery, also called downward displacement of air. A dry receiving tube is held mouth-down over the straight outlet, and because the gas is less dense than air it rises into the tube and pushes the air out at the bottom. The method suits light gases such as hydrogen, and ammonia, which is lighter than air but too soluble to collect over water. It fits naturally into a chemistry teaching kit for lessons on preparing gases.

Clamp the generating tube upright so that the straight outlet points vertically, and hold the receiver steady and close over it. Hydrogen and air form an explosive mixture, so keep flames away from the generator, use small quantities and test a filled tube with a lighted splint held at arm's length. Ammonia irritates the eyes and nose, so prepare it in a fume cupboard or a well-ventilated room.

What to Specify When Ordering

- The number of sets for your class or practical groups.
- How many receiving test tubes you need, as they are not part of the listed set.
- Spare straight outlet tubes and holed rubber stoppers.
- A stand and clamp, if you do not already have one to hold the generator upright.

OEM Manufacturer

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