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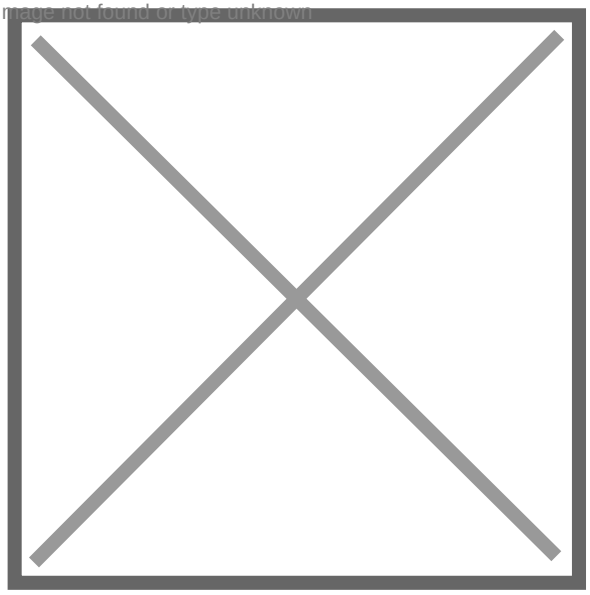
Product Name :

Simple gas appliances that do not dissolve in water

Product Code :

SCI-155/07

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Description :

Simple gas appliances that do not dissolve in water (Product Code: SCI-155/07) is simplegas collection apparatus used to prepare gases that do not dissolve readily in water and collectthem over water in school chemistry practicals. Its 18 mm × 160 mm glass test tube holds thereactants, while a Z-shaped glass delivery tube in a one-hole rubber stopper carries the gas intoa water-filled receiver. 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 × 160 mm length
Delivery tube	Glass, Z-shaped
Delivery tube outer diameter	6–8 mm
Stopper	Rubber, with a hole
Collection method	Over water, for gases that do not dissolve in water
Product code	SCI-155/07
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Gas Collection over Water Apparatus Used For?

Collecting a gas over water, also called downward displacement of water, suits gases such as oxygen and hydrogen that dissolve only slightly. A receiving tube is filled with water and inverted in a trough, the end of the Z-shaped tube is placed under its mouth, and bubbles of gas push the water out. Students can watch the gas build up, and once the first bubbles of displaced air are let go, the collected gas is not mixed with air.

The Z-bend lets the generating tube stand upright in a clamp while its outlet dips under the water in a trough beside it. Always take the delivery tube out of the water before stopping any heating, or water can be drawn back into the hot tube. Gases that dissolve easily, such as ammonia, need an air-displacement method instead, so the set sits well in a chemistry experiment kit next to apparatus for that method.

What to Specify When Ordering

- The number of sets for your class or practical groups.
- The delivery tube outer diameter within 6–8 mm, if it must match rubber tubing you already use.
- Whether a pneumatic trough and receiving tubes should be quoted too, as they are not part of the listed set.
- Spare Z-shaped tubes and rubber stoppers for breakage.

OEM

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