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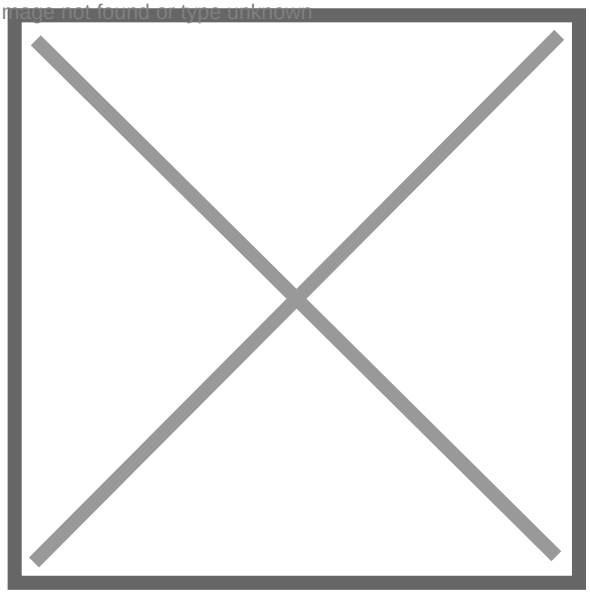
Product Name :

Apparatus for Preparing Chlorine, Hydrogen Chloride

Product Code :

SCI-065/08

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Description :

Apparatus for Preparing Chlorine, Hydrogen Chloride (Product Code: SCI-065/08) is a glassware set used to generate, dry and collect chlorine or hydrogen chloride gas in school and college chemistry laboratories. Chemistry teachers use it for demonstration-scale gaspreparation, pairing a 250 ml glass balloon flask with a 250 ml gas-drying bottle and a two-bulbsafety tube. This gas collection apparatus is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India.

Specifications

Parameter	Detail
Gas generating vessel	Glass balloon (flask), 250 ml
Safety tube	Safety tube with two bubbles (bulbs)
Gas delivery	Development (delivery) tube for gases
Drying stage	Bottle for drying gases, 250 ml
Collection	Container for collecting gases
Gases demonstrated	Chlorine and hydrogen chloride
Product code	SCI-065/08
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Chlorine and Hydrogen Chloride Apparatus Used For?

The set shows students the three stages of any gas preparation: the gas is produced in the flask, passed through the drying bottle and then collected. For chlorine, school laboratories commonly oxidise concentrated hydrochloric acid with manganese dioxide or potassium permanganate; hydrogen chloride is usually made by warming sodium chloride with concentrated sulfuric acid. Both gases are denser than air, so they can be collected by upward displacement of air in the collecting container.

The two-bulb safety tube relieves excess pressure and helps stop liquid being sucked back into the hot flask. Because both gases are toxic and corrosive, run the experiment in a fume cupboard or a well-ventilated room, use small reagent quantities and check every stopper before heating. The listed contents are chemistry lab glassware only, so reagents are ordered separately.

What to Specify When Ordering

- The number of complete sets (each set holds the five items listed in the table).
- Whether you also need reagents such as manganese dioxide, hydrochloric acid or sodium chloride from our range.
- Any spare 250 ml flasks or drying bottles you want to keep for breakages (ask us about availability).

OEM

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