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Product Name :

Convection in Air Apparatus

Product Code :

SLE/PHY/148



Description :

Convection in Air Apparatus (Product Code: SLE/PHY/148) is a two-chimney box used to make convection currents in air visible, with smoke drawn down one chimney and up the other over a candle, in school science labs. It is a metal box of 220 x 100 x 165 mm with a sliding glass front, two detachable glass chimneys and a candle holder fixed beneath the left chimney. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer of physics lab equipment in India, at its own factory in Ambala.

Specifications

Parameter	Detail
Box	Metal, 220 x 100 x 165 mm
Front	Sliding glass front
Chimneys	Two detachable glass chimneys
Candle holder	Fixed to the base beneath the left chimney
Candles	Not included
Product code	SLE/PHY/148
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Convection in Air Apparatus Used For?

A candle is lit in the holder under the left chimney and the glass front is slid shut. When smouldering paper or an incense stick is held over the right chimney, the smoke is pulled down into the box, drifts across to the flame and rises out through the left chimney. Students see that warm air rises and cooler air flows in to replace it, which is the basis of convection currents.

This simple demonstration model for the physics lab links directly to sea and land breezes, room ventilation and why chimneys draw. Use a short candle so the flame sits well below the chimney, keep the glass front closed during the demonstration, and let the chimneys cool before lifting them off to wipe away soot.

What to Specify When Ordering

- The number of Convection in Air Apparatus units needed.
- Candles, since none are included with the apparatus.
- Whether spare glass chimneys should be quoted with the order.

OEM Manufacturer

Jain Scientific Equipments Private Limited, trading as ScienceLab (CIN U29309HR2020PTC087597), is the OEM of the Convection in Air Apparatus. The apparatus is made at the company's own licensed factory at 440, HSIIDC Industrial Area, Saha, Ambala which rs and i m the m