Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Crushing Can

Product Code :

SLE/PHY/150



Description :

Crushing Can (Product Code: SLE/PHY/150) is a light-walled tin plate can with an air-tight screw cap used to demonstrate the force exerted by atmospheric pressure in school and collegephysics laboratories. Teachers rely on it for a memorable class demonstration in which the 75mm diameter can collapses once the air inside has been driven out by steam. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, India, as part of its physics lab equipment for schools.

Specifications

Parameter	Detail
Construction	Light-walled tin plate can
Closure	Air-tight screw cap
Dimensions	260 x 75 mm (75 mm diameter)
Demonstrates	Force exerted by atmospheric pressure
Product code	SLE/PHY/150
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Crushing Can Used For?

The crushing can experiment shows students that the air around them presses on every surface with a surprisingly large force. A little water is heated in the open can until steam pushes most of the air out, the heat is removed and the cap is screwed on tight. As the steam cools and condenses, the pressure inside falls far below the pressure outside, and the atmosphere crumples the thin walls, often with an audible crack. Pouring cold water over the sealed can makes the collapse faster and more dramatic.

For safety, never heat the can with the cap in place, and handle the hot can with tongs or heat-resistant gloves. Only a shallow layer of water is needed, which keeps heating time short. The demonstration fits naturally into lessons on air pressure, gas laws and weather, and it is a practical addition to any physics lab equipment list for schools in India and abroad.

What to Specify When Ordering

- Number of cans — the light-walled can is designed to deform, so plan one per demonstration or group.
- Confirmation that the 260 x 75 mm size suits your burner and tripod set-up.
- Any heating accessories you also need, such as a burner, tripod or gauze.
- Delivery location, within India or overseas, so the quotation can include dispatch details.

OEM Manufacturer

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