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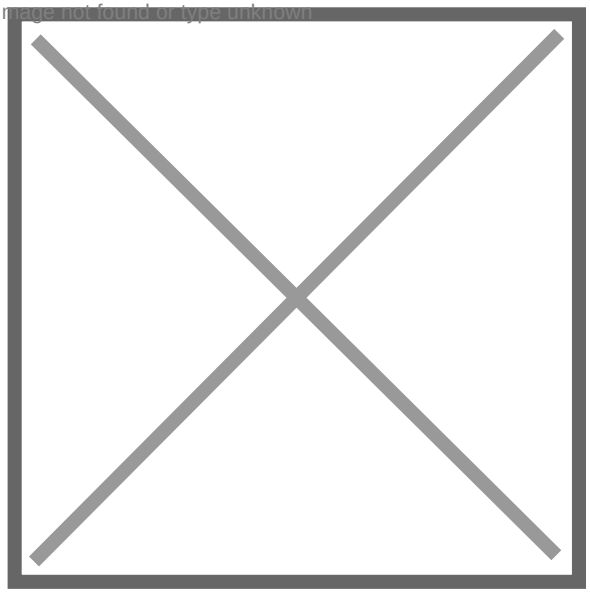
Product Name :

Boyle's Law – Simple Type

Product Code :

SLE/PHY/25

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Description :

Boyle's Law – Simple Type (Product Code: SLE/PHY/25) is a sealed-syringe apparatus used to demonstrate Boyle's Law, the inverse link between the pressure and volume of a trapped gas, in school and college physics laboratories. Students load its wooden platforms with different masses and read the shrinking air volume straight from the syringe scale. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory in Ambala, as simple, economical school physics lab equipment in India and abroad.

Key Details

Parameter	Detail
Law demonstrated	Boyle's Law (pressure and volume of a fixed quantity of air)
Working element	Sealed syringe containing air
Mounting	Syringe mounted on wooden platforms
How pressure is applied	Different masses are loaded on, compressing the air inside
Volume reading	Read directly from the syringe scale
Design	Simple, economical demonstration type
Product code	SLE/PHY/25
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Boyle's Law Apparatus Used For?

The apparatus turns an abstract gas law into something students can see. With the syringe sealed, a known load is placed on the platform, the plunger settles, and the volume is noted from the scale. Adding further masses step by step shows the trapped air occupying less space each time the pressure on it rises, and a graph of volume against the inverse of the load brings out the relationship.

For cleaner results, add each mass gently and centrally, give the air a moment to return to room temperature between readings, and read the scale at eye level. Because it needs no pumps, gauges or oil, this simple type is a practical choice of physics practical equipment for CBSE and state-board classrooms where set-up time is short.

OEM Manufacturer

Jain Scientific Equipments Private Limited, which trades as ScienceLab, is the original equipment manufacturer of this Boyle's Law apparatus. It is produced at the company's own licensed factory at Saha, Ambala, Haryana, India, and reaches schools, colleges, dealers and importers factory-direct rather than through a trading intermediary.

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