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

Product Name :

Vacuum Pump, Hand

Product Code :

SLE/LI/30



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Description :

Vacuum Pump, Hand (Product Code: SLE/LI/30) is a lightweight manually operated pump used to draw a partial vacuum, or build up air pressure, in small vessels during school and college science practicals. Teachers use it where no power socket is available or where students should feel the effort of pumping, since each stroke moves 15 cm³ of air, reaching a maximum vacuum of 50 mmHg or a positive gauge pressure of up to 2 atm. It is supplied by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India.

Specifications

Parameter	Detail
Operation	Hand operated, lightweight
Volume per stroke	15 cm³
Maximum vacuum	50 mmHg (as listed)
Positive pressure	Gauge pressures up to 2 atm
Power	None required (manual)
Product code	SLE/LI/30
Supplied by	Jain Scientific Equipments Pvt Ltd (ScienceLab), Ambala, India

What Is a Hand Vacuum Pump Used For?

In physics lessons a hand pump makes air pressure visible: students can partly evacuate a small bell jar or flask and watch a balloon expand, see water boil at reduced pressure, or connect a manometer and read the pressure change after each stroke. Reversed to pressure mode, the same pump pushes air into a sealed vessel to show how gas pressure rises as more air is added, which links neatly to lessons on the gas laws.

Because it needs no electricity, this piece of physics lab equipment works on any bench, in a field station or during an outdoor demonstration. Connect it with thick-walled tubing, keep every joint tight, and pump steadily rather than in jerks. Stay within 2 atm when pressurising, and never pressurise glassware that is not designed for internal pressure; for larger volumes or deeper vacuum, an electric pump is the better tool.

Supplier

This manual pump is supplied by Jain Scientific Equipments Private Limited, the company that trades as ScienceLab from Ambala, Haryana. Schools, colleges, science centres and dealers in India and international markets can order it on its own or with tubing, bell jars and manometers for a complete demonstration kit. Institutional buyers who need vendor registration details can record the supplier under GSTIN 06AAECJ8618A1ZT and Legal Entity Identifier 3358004HRD1JIVXKYX49. More about us is on the ScienceLab profile.

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