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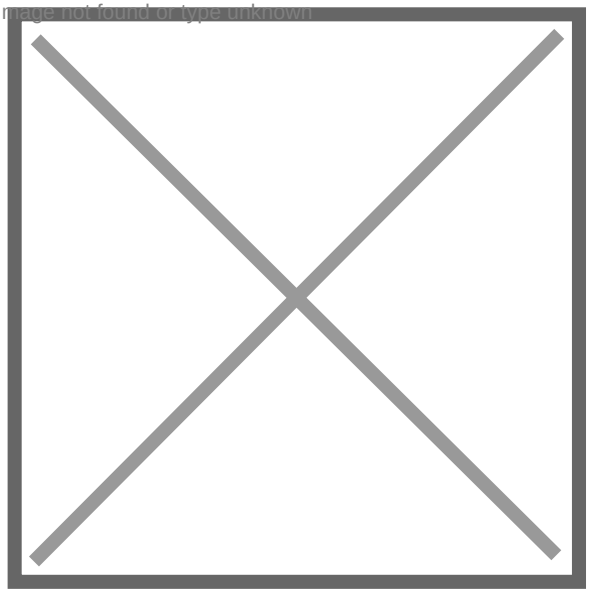
Product Name :

Pascal's Principle Demonstrator

Product Code :

SLE/CH/80

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Description :

Pascal's Principle Demonstrator (Product Code: SLE/CH/80) is a glass-bulb and piston apparatus used to show that pressure applied to a confined liquid is transmitted equally in all directions, in school physics lessons. Teachers fill it with water and push the piston, and jetssquirt out of every hole in the 50 mm borosilicate bulb with equal reach. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, an OEM manufacturer, at its own factory inAmbala, India, as part of its physics lab equipment range.

Specifications

Parameter	Detail
Principle demonstrated	Pascal's law: liquid pressure is transmitted equally in all directions
Bulb	Borosilicate glass, 50 mm (2 in) diameter, with holes
Operation	Filled with water and pressurised by pushing the piston
Overall height	Approx. 250 mm (10 in)
Product code	SLE/CH/80
Manufacturer	Jain Scientific Equipments Pvt Ltd (ScienceLab) — OEM
Country of origin	India (made in Ambala, Haryana)

What Is the Pascal's Principle Demonstrator Used For?

It is the quickest way to introduce fluid pressure before moving on to hydraulic lifts, car brakes and hydraulic presses, which all rely on the same principle. Ask the class to predict whether water will leave only the hole in line with the piston; when every jet emerges with the same reach, they have seen for themselves that pressure acts equally throughout the liquid. Older students can then link the demonstration to calculations of force and area, and schools building up their physics lab equipment in India often teach it alongside buoyancy and manometer work.

Carry out the demonstration over a sink or a large tray, because water sprays in several directions at once. Press the piston smoothly rather than forcefully so the glass bulb is not stressed, and hold the unit so the jets point away from observers. Empty and dry the demonstrator after use so no water is left standing in the bulb.

OEM Manufacturer

ScienceLab is the trading name of **Jain Scientific Equipments Private Limited**, the OEM (original equipment manufacturer) of this demonstrator. The apparatus is made and assembled at the company's own licensed factory at Saha, Ambala, Haryana, India, rather than bought in from a trader. Schools, colleges, institutions, dealers and importers are supplied factory-direct, so questions about a replacement bulb or other spare parts go straight to the maker — just ask us. Read more on our company profile.

Rela

Other