Email : sales@scilabexport.com
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Product Name :

Vacuum Pump with Pressure Gauge

Product Code :

SCL1429/013



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Description :

Vacuum Pump with Pressure Gauge (Product Code: SCL1429/013) is a mechanical orelectrical installation with a minimum power of 90 W that both removes air from, and pumps airinto, the apparatus used to study gas processes. Through its tap, air can be exhausted down to apressure of 130 Pa, and by pumping, a pressure of up to 0.3 MPa can be obtained, while thepressure gauge lets the class follow each change. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, for schools that want a single physics instruments supplier in Indiafor pump and accessories.

Specifications

Parameter	Detail
Type	Mechanical or electrical installation for evacuation and pumping of air
Power	Minimum 90 W
Evacuation	Tap allows air to be exhausted down to a pressure of 130 Pa
Pumping	Pressure up to 0.3 MPa can be obtained
Indication	Pressure gauge
Application	Experiments for studying gas processes

Typical Use

Connected to a glass bell on its sealed support, the pump draws out the air so students can watch a partly inflated balloon swell, water begin to boil at room temperature, or a ringing bell fade into silence as the medium for sound is removed. The same pump evacuates a Newton's tube for the free-fall demonstration and supports other experiments on gases where pressure is the variable being changed. In pumping mode it raises the pressure inside suitable apparatus, so the class can explore how a gas responds to compression.

Check hoses and seals before each lesson, close the tap to hold a vacuum once the gauge shows the pressure you want, and open it slowly to let air back in. Only pressurise vessels that are intended to take pressure – never ordinary thin glassware – and keep students behind a safe line when glass is under vacuum.

Manufacturer

ScienceLab is the brand of Jain Scientific Equipments Private Limited in Ambala, Haryana, which manufactures gas-law and pressure apparatus for schools and colleges. The company is incorporated under CIN U29309HR2020PTC087597 and manufactures at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). See the company profile for more.

Related Lab Equipment

Appa

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