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Product Name :

Filter Pump, Borosilicate Glass

Product Code :

SLE/CH/131



Description :

Filter Pump, Borosilicate Glass (Product Code: SLE/CH/131) is a water-jet filter pump made from chemical-resistant borosilicate glass that creates a moderate vacuum when connected to a water supply. Fitted to a laboratory tap, it draws air out of a filter flask so that liquid is pulled through a Buchner funnel much faster than gravity filtration allows – a simple way to run suction filtration without an electric vacuum pump. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, India, and complements the borosilicate glassware India's school and college laboratories already rely on.

Key Details

Parameter	Detail
Type	Water-jet (aspirator) filter pump
Material	Chemical-resistant borosilicate glass
Operation	Creates a moderate vacuum when connected to a water supply
Driven by	Running tap water – no electrical supply needed
Typical application	Suction filtration with a Buchner funnel and filter flask

Typical Use

Water rushing through the narrow jet inside the pump lowers the pressure around it, so air is dragged in through the side arm and carried away with the water. Connect the inlet to a tap with rubber tubing, and the side arm to a filter flask with thick-walled vacuum tubing; a Buchner funnel sealed into the flask with a bung completes the set-up. Students use it to collect crystals after recrystallisation, to separate precipitates quickly, or to dry a solid on the filter paper by drawing air through it.

Place a trap bottle between the pump and the flask, and when the filtration is finished always disconnect the tubing or let air into the flask before turning off the water – otherwise tap water can be sucked back into your filtrate. The glass body lets you see the water flow at a glance and resists chemical vapours drawn through it. Rinse the pump with clean water after use and store it where it cannot be knocked; laboratories buying from a lab glassware supplier in India often keep a spare for busy practical weeks.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited (CIN U29309HR2020PTC087597), based in Ambala, Haryana, India. The company manufactures laboratory apparatus at its licensed factory at 449, HSIIDC Industrial Area, Saha, Ambala (Factory Licence AMB-ONLINE-CHD-J-414). Read more in our company profile.

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