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Product Name :

Conical Filter Flask

Product Code :

SLE/GFL/06



Description :

Conical Filter Flask (Product Code: SLE/GFL/06) is a graduated borosilicate glass flask used as the collecting vessel in vacuum (suction) filtration, where a Buchner funnel sits in its neck and suction draws liquid quickly through the filter paper. Heat resistant and chemical resistant, it is offered in 100 ml, 250 ml, 500 ml, 1000 ml and 5000 ml sizes, from small student preparations to large batch filtrations. It is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a laboratory glassware supplier in India and international markets.

Specifications

Parameter	Detail
Type	Conical filter flask
Material	Borosilicate glass
Capacities	100 ml, 250 ml, 500 ml, 1000 ml, 5000 ml
Graduation	Graduated
Resistance	Heat resistant; chemical resistant
Application	Chemical laboratory filtration

Typical Use

For suction filtration, fit a Buchner funnel into the flask neck with a rubber bung or cone, place a filter paper in the funnel and wet it, then connect the flask's side outlet to a water-jet filter pump or vacuum pump with thick-walled tubing. When suction is applied, the filtrate is pulled into the flask and the solid is left as a compact cake on the paper — the standard way to collect crystals after recrystallisation and a routine piece of chemistry lab equipment for schools in India and colleges alike. The graduations show roughly how much filtrate has been collected.

Clamp the flask so it cannot tip over, and inspect it for scratches or chips before each use under vacuum. Release the vacuum before switching off a water-jet pump to stop water sucking back, and never heat the flask while it is under reduced pressure.

Manufacturer

The filter flask is produced by **Jain Scientific Equipments Private Limited**, which uses the trading name **ScienceLab** and operates from Ambala in Haryana, India. The company makes glassware and apparatus for teaching and analytical laboratories and supplies institutions and dealers. Details are on our company profile.

Related Laboratory Equipment

Everything needed to complete a vacuum filtration set-up:

- Buchner Funnel, 90 mm, Porcelain — the funnel that sits in the flask neck
- Buchner Rungs (Black) — seal the funnel into the flask