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Product Name :

Separatory Funnel, Squibb style

Product Code :

SLE/GF/05



Description :

Separatory Funnel, Squibb style (Product Code: SLE/GF/05) is a conical borosilicate glass separating funnel used to separate two immiscible liquids of different densities: the heavier liquid settles to the bottom and is drawn off through the PTFE stopcock, which never needs greasing. It is closed at the top with a 19/26 polyethylene stopper and is offered in 250 ml, 500 ml and 1000 ml capacities. Chemistry teachers, pharmacy and research labs use it for solvent extraction and for slowly adding reagents; it is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Style	Squibb, conical shape
Material	Borosilicate glass, made to withstand typical laboratory temperature variations
Stopcock	PTFE, never needs greasing
Stopper	Polyethylene, size 19/26
Capacities	250 ml, 500 ml, 1000 ml
Resistance	Heat resistant and chemical resistant
Uses	Separating immiscible liquids; slowly adding a reagent in a distillation or reaction

Typical Use

For a liquid–liquid extraction the funnel is held in a ring or clamp on a retort stand with the stopcock closed, the two liquids are poured in, and the stopper is inserted. The funnel is then inverted, vented through the open stopcock pointing away from people, shaken gently and vented again, before being returned to the stand to let the layers separate. With the stopper removed, the lower layer is run off into a beaker or flask and the upper layer poured out through the top. Separating an organic product from an aqueous wash and extracting iodine or caffeine into a solvent are familiar practical examples.

The same separating funnel can serve as an addition funnel, feeding a reagent drop by drop into a reaction or distillation flask by adjusting the PTFE stopcock. Pick the 250 ml funnel for student extractions, 500 ml for general use and 1000 ml for larger washes. Always leave headspace above the liquids, vent frequently when volatile solvents are involved, and rinse the funnel and stopcock after use.

Manufacturer

Manufactured by **Jain Scientific Equipments Private Limited**, an Ambala, Haryana company whose laboratory glassware is sold under the **ScienceLab** brand to schools, colleges and laboratories in India and international markets. Our company profile tells you more about who we are.

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