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Product Name :

Distillation Apparatus

Product Code :

SLE/CH/118



Science Lab
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Description :

The **Distillation Apparatus** (Product Code: SLE/CH/118) is a borosilicate glass distilling set with 19/26 ground joints, built around a 500 ml round-bottom boiling flask, a still head, a Liebig condenser and a receiver adapter, plus a separating funnel with stopper. It gives schools and colleges everything in glass that is needed to heat a liquid mixture, condense the vapour and collect a purified distillate. Manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, it is a straightforward choice for institutions looking for laboratory distillation apparatus in India.

Specifications

Parameter	Detail
Material	Borosilicate glass
Joint size	19/26
Boiling flask	Round-bottom, 500 ml
Other components	Separating funnel with stopper, still head, Liebig condenser, receiver adapter
Weight	1.5 kg
Not included	Glass beaker and metal stands

Typical Use

In a simple distillation practical, the 500 ml flask is clamped above a heat source and part-filled with the mixture, with a few anti-bumping granules added for smooth boiling. The still head directs vapour into the Liebig condenser, cooling water enters at the lower hose connection and leaves from the upper one, and the receiver adapter guides the condensed liquid into a beaker or flask. Students use this arrangement to obtain pure water from salt solution, to show that dissolved solids stay behind, and to separate liquids with clearly different boiling points. The separating funnel with stopper can be used to separate immiscible liquid layers, for example when a distillate forms two phases.

Because the set is supplied without stands, plan for a retort stand and clamps to support both the flask and the condenser. A thermometer is not listed among the components, so check how you will fit one if the practical records boiling temperature. Never heat a sealed system, lightly grease the 19/26 joints to stop them seizing, and allow the glass to cool before dismantling. Borosilicate glassware India labs rely on tolerates repeated heating well, but it should still be warmed gradually and kept away from sudden cold drafts or water splashes.

Manufacturer

This apparatus is manufactured by **Jain Scientific Equipments Private Limited**, which trades as **ScienceLab** and is based in Ambala, Haryana, India. The company produces glassware assemblies and teaching apparatus for chemistry laboratories. Our company profile explains more

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