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Product Name :

Heating Mantle 1000ml

Product Code :

SLE/LHM/06



Description :

Heating Mantle 1000ml (Product Code: SLE/LHM/06) is an electric bench heater that holds a 1000 ml flask in its heating well and warms the glass evenly from below and around the sides, without an open flame. Chemistry teachers, college demonstrators and laboratory technicians use it for boiling, refluxing and distilling liquids at bench scale, where a steady, controllable heat source matters more than speed. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)** in Ambala, India, and forms part of our chemistry lab equipment in India for schools, colleges and working laboratories.

Specifications

Parameter	Detail
Flask capacity	1000 ml
Supply	220 V, 50 Hz
Power	350 W
Maximum temperature	450 °C
Control	Analogue control, simple to operate
Indicators	Power indicator light and heating indicator light
Base	Four rubber feet for stability during use
Exterior size	? 260 mm × 200 mm
Net weight	3.5 kg
Gross weight	4 kg
Packing size	290 × 290 × 220 mm

Typical Use

The 1000 ml size suits class demonstrations and practical work where a litre-scale batch is heated for a long period: refluxing a reaction mixture under a condenser, running a simple or fractional distillation, concentrating an extract or bringing an aqueous solution to a controlled boil. Because the flask sits inside the mantle rather than over a burner, heat reaches a larger area of the glass and there is no flame near flammable vapours. Laboratories assembling laboratory distillation apparatus in India often pair this mantle with a round bottom flask, a condenser and a retort stand to make a complete, stable set-up.

For best results, choose a flask that fills the well so the glass is in full contact with the mantle, clamp the flask neck to a stand so the mantle only supports its weight, and turn the analogue knob up in steps while watching the heating lamp and the liquid. Add anti-bumping granules before boiling, never switch the mantle on empty at a high setting, and let it cool on its rubber feet before moving it or wiping the surface.

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