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Product Name :

Heating Mantle 250ml

Product Code :

SLE/LHM/07



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Description :

Heating Mantle 250ml (Product Code: SLE/LHM/07) is a compact, controlled heating mantle for flasks of 250 ml, built around a woven glass fibre mat with a nichrome wire element inside a coated steel case. It gives students and technicians a flame-free way to warm, boil or reflux small volumes on an ordinary bench, which makes it a practical piece of school chemistry labequipment in India for practical classes and small preparative work. The unit is manufactured by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala.

Specifications

Parameter	Detail
Flask capacity	250 ml
Type	Controlled heating mantle
Case construction	Steel, with chemical resistant coating
Mantle	Woven glass fibre mat
Heating element	Nichrome wire
Insulation	Moulded silica powder
Element temperature	Up to 450 °C (max.)
Power supply	220 V AC, 80 W

Typical Use

A 250 ml mantle is the size most student groups need for short experiments: preparing a small ester under reflux, distilling a few tens of millilitres of a mixture, determining a boiling point range or dissolving a solid in hot solvent before recrystallisation. The glass fibre mat wraps heat around the lower part of the flask, so small volumes heat evenly and there is less risk of a hot spot cracking the glass than with a gauze and burner. Its modest 80 W rating also means several units can run side by side on one bench.

Seat the flask fully in the mantle, support the neck with a clamp, and bring the control up gradually while watching for steady boiling. The coated case resists occasional splashes, but spills should be wiped off promptly once the unit is switched off and cool; never pour liquid directly into the mantle. As a laboratory equipment supplier in India, we can advise on matching glassware so every student station is complete.

Manufacturer

ScienceLab is the trading name of Jain Scientific Equipments Private Limited, whose manufacturing and dispatch operations are based in Ambala, Haryana. We make and supply laboratory heating equipment for schools, colleges and research laboratories, and we welcome questions on sizes, controls and quantities before you order. Learn about our background on the company profile page.

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