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Product Name :

Digital Heating Mantle With Stirrer

Product Code :

SLE/LHM/01



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Description :

Digital Heating Mantle With Stirrer (Product Code: SLE/LHM/01) heats and stirs a flask at the same time, combining uniform mantle heating with a stirring motor in one two-tier unit. A PID microprocessor controller regulates temperature through an external probe, the stirring speed is varied smoothly up to 1200 rpm, and the heating element can reach 350 °C. Chemistry,pharmacy and research laboratories use it wherever a reaction mixture must be held at a settemperature while being stirred. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, as lab equipment for research and teaching laboratories in India and internationalmarkets.

Specifications

Parameter	Detail
Type	Digital heating mantle with built-in stirring
Construction	Two-tier: heating element in the upper part, stirring motor in the lower part
Temperature control	PID microprocessor controller regulating via an external temperature probe
Heating element temperature	Up to 350 °C
Stirring speed	Step-less control, smooth variation up to 1200 rpm
Capacity options	250 ml, 500 ml, 1000 ml, 2000 ml, 3000 ml, 5000 ml
Power rating options	150 W, 200 W, 300 W, 450 W, 600 W
Supplied with	External temperature probe, support rods and clamps

Typical Use

The flask sits in the upper heating tier while the motor below drives the stirring, so the contents are mixed and warmed evenly at once. Placing the external probe in the liquid, through a side neck or adapter, lets the PID controller hold the sample itself at the set temperature instead of simply heating the element, which matters for temperature-sensitive syntheses, dissolutions and extractions. Constant stirring also spreads heat through viscous mixtures and helps reduce bumping during reflux or distillation.

Choose the mantle size that matches your flask so the vessel sits snugly on the element, raise stirring speed gradually after the flask is clamped, and use the supplied support rods and clamps to hold the flask and any condenser securely. Let the mantle cool before removing the flask. For labs comparing chemistry lab equipment in India, this model suits users who want set-point control and stirring from a single bench footprint.

Manufacturer

The Digital Heating Mantle With Stirrer is manufactured by **Jain Scientific Equipments Private Limited**, known to customers by its **ScienceLab** brand and based in Ambala, Haryana. Details of our b

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