Email : sales@scilabexport.com
Phone: +91-7082934803

Product Name :

Heating Mantle With Stirrer (Rota Mantle)

Product Code :

SLE/LHM/04



Science Lab
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Phone: +91-7082934803

Description :

Heating Mantle With Stirrer (Rota Mantle) (Product Code: SLE/LHM/04) is a two-tier unit that stirs the contents of a flask while heating it uniformly: the upper part holds the heating element and the lower part houses the stirring motor. Heat output is set with an energy regulator, and step-less speed control varies stirring smoothly up to 1200 rpm. Offered from 50 ml to 5000 ml, it suits teaching and routine laboratory work where mixing and heating have to happen together. It is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**, Ambala, a chemistry lab instruments supplier to institutions in India and international markets.

Specifications

Parameter	Detail
Type	Heating mantle with stirrer (Rota Mantle)
Construction	Two-tier: heating element in the upper part, stirring motor in the lower part
Heat control	Energy regulator
Stirring speed	Step-less control, smooth variation up to 1200 rpm
Capacity options	50 ml, 100 ml, 250 ml, 500 ml, 1000 ml, 2000 ml, 3000 ml,5000 ml
Power rating options	60 W, 150 W, 200 W, 300 W, 450 W, 600 W

Typical Use

Stirring while heating keeps solids suspended and stops them settling onto the hot glass, so the Rota Mantle is a natural fit for dissolving slow-to-dissolve solids, recrystallisation, and reflux of mixtures that contain a solid or two immiscible liquids. College practicals such as ester preparation or saponification benefit from the even temperature that constant mixing gives. Because the energy regulator sets power rather than a temperature, a thermometer held in the flask is the easiest way to follow what the contents are actually doing.

Start the stirring before turning up the heat so warmth spreads from the first minute, raise the speed gradually to avoid splashing, and clamp the flask independently so vibration cannot move it off the element. Select the capacity that matches your flask for full contact. For departments equipping several benches, the wide size range makes it practical lab equipment for college teaching labs, from small-scale student preparations to larger demonstration batches.

Manufacturer

The Rota Mantle is one of the heating products made by **Jain Scientific Equipments Private Limited** in Ambala, Haryana, and sold under the company's **ScienceLab** label. Read our company profile to find out more.

Related Laboratory Equipment

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