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**Product Name :**

Heating Mantle With Stirrer (Rota Mantle)

**Product Code :**

SLE/LHM/04



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## 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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