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Product Name :

Hot Plate With Stirrer

Product Code :

SLE/CL/63



Description :

Hot Plate With Stirrer (Product Code: SLE/CL/63) is a bench-top heater with a built-in magnetic stirrer, pairing a ceramic glass heating surface adjustable up to 450 °C with an electronically controlled motor of infinitely variable speed. Clinical and teaching laboratories use it for many techniques, above all to prepare buffers and other reagents, and it is a practical hot plate magnetic stirrer for India's diagnostic and college labs. Its manufacturer is **Jain Scientific Equipments Pvt Ltd (ScienceLab)** of Ambala, India.

Specifications

Parameter	Detail
Type	Bench-top heater with magnetic stirrer; single stirring place
Temperature control	Adjustable up to 450 °C
Heating power	Approximately 500 W
Heating surface	Ceramic glass, on a synthetic lower base
Stirring motor	Electronically controlled, infinitely variable speed
Speed	Approximately 100 to 2000 rpm
Maximum stirring capacity	15 L
Power requirements	220 V / 50 Hz, with voltage surge protection
Supply versions listed	120 V, 60 Hz or 230 V, 50 Hz

Typical Use

To make a buffer, weigh the salts, add them to distilled water in a flat-bottomed glass beaker or flask, drop in a magnetic stirrer bar and set a moderate speed; gentle heat speeds up dissolving, and the solution is then cooled and brought to volume. The same set-up dissolves agar and media powders, keeps suspensions homogeneous during dispensing, and warms solutions for titrations or staining preparations.

Raise the stirring speed gradually so the bar does not lose coupling with the magnet and rattle, and keep the vessel centred on the single stirring place. The ceramic glass stays hot for some time after switching off, so let it cool before cleaning with a soft damp cloth. Laboratories comparing a laboratory magnetic stirrer in India will find that combining heating and stirring in one unit saves both bench space and a separate hot plate.

Manufacturer

Jain Scientific Equipments Private Limited produces this hot plate stirrer in Ambala, Haryana, where the company operates under the ScienceLab trading name. For vendor registration, ScienceLab's GSTIN is 06AAECJ8618A1ZT and its Legal Entity Identifier (LEI) is 3358004HRD1JIVXKYX49. See our company profile for more.

Rela

Items

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