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Product Name :

Heating Mantles

Product Code :

SLE/CH/91



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Description :

Heating Mantles (Product Code: SLE/CH/91) from this listing are 1000 ml, 220 V units that wrap a round bottom flask in an electrically heated glass-yarn net, giving even heat with no open flame. That makes them particularly useful for heating inflammable liquids, and they are widely used in laboratories working with chemicals, pharmaceuticals, dyes and glass plants, as well as in college chemistry and pharmacy lab equipment in India. Each mantle has an energy regulator and an inbuilt indicator light, and is made by **Jain Scientific Equipments Pvt Ltd (ScienceLab)**,Ambala.

Specifications

Parameter	Detail
Capacity	1000 ml
Voltage	220 V
Heating element	Electric heating net hand knitted from glass yarn, with no joint, to maintain the strength of the yarn
Maximum temperature	Stands high temperature up to 350°C
Body	Spun in one piece from non-rusting aluminium (up to 1000 ml capacity), stoving painted
Insulation	Lagged with special grade mineral wool
Control	Energy regulator
Other features	Original mantle wire; inbuilt indicator light; easy-to-replace mantle
Applications	Laboratories, chemicals, pharmaceuticals, dyes, glass plants

Typical Use

A heating mantle is the preferred heat source for reflux, distillation and solvent recovery in a round bottom flask, because the hemispherical glass-yarn net matches the shape of the flask and spreads heat over its whole lower surface. There is no flame and no exposed hot plate, so volatile, inflammable solvents such as alcohols can be heated with far less fire risk than on a burner. Students in organic chemistry practicals and technicians in pharmaceutical and dye labs set the energy regulator low at first, then raise it until the liquid boils steadily.

Use a flask that matches the 1000 ml cavity so the net is in full contact with the glass, and never switch the mantle on empty or with a dry flask. Watch the indicator light to confirm power, clamp the flask neck separately rather than letting the mantle carry its weight, and allow the unit to cool before removing the flask. If the heating net is ever damaged, the mantle is designed to be replaced easily rather than scrapping the whole unit.

Manufacturer

These mantles are manufactured by **Jain Scientific Equipments Private Limited**, trading as **Scien**
labor

Rela

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