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**Product Name :**  
Heating Mantle

**Product Code :**  
LBNY-0001-800012



**Description :**

Heating Mantle

**Technical Specification :**

Heating Mantle

A heating mantle, or Isomantle, is a piece of laboratory equipment used to apply heat to containers, as an alternative to other forms of heated bath.

Conical shaped/better design/ heating element directs that can able to radiant heat to the top cavity  
Heating mantles with variable speed stirring in single direction or auto reverse modes.

Able to top cowl that enable heat deflects away from operator hand

Able to support air circulation from the vented housing that keeps the base cool enough to hold during operation/  
design

Constructed in a tough lightweight aluminum casing and fitted with a clamp rod fitting construction.

Need to be tough lightweight, easy to clean aluminum casing

Equipped with integrated clamp fitting

Bi-directional stirring speeds up to 500 rpm

Supported with Stir bar ?auto-recapture? function

Cool-to-the-touch design,

Need to equipped with element temperature 450°

Built-in energy regulator, Replaceable insulated heater cartridge

Indicator lamps for power and heater operation

A chemically resistant plastic outer casing

A grounded earth screen and double fuses for added safety

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Equipped with solid state magnetic stirring.

Power supply: 220 -240 V

Element temp: 450°

Indicator lights: Clear for power.

Dimensions 175 x 175 x 150 - 220 x 220 x 170 that able to accommodate triple housing for each different sized (50, 100, 250, 500, 1000ml volumetric gals ware

Flask Dimensions Capacity

Need to have multi-interface/configuration for 50ml,100ml,250ml,500ml and 1000ml

Need to supported/designed as a multibank units with stainless steel housing that accepts an integral glassware support to accept different sized volume (50-1000ml) volumetric glass.

Need to provide stainless steel housing (as an accessories) that accepts an integral glassware support to accept different sized volume (i.e. for 50ml, 100ml, 250ml, 500ml, and 1000ml) volumetric glass with triple place/housing/interface for each size of volumetric glass

Heating mantles to be used in wet chemistry to heat liquids in round bottom flasks

Boiling information display

Need to be supported with bar graph that illustrates the time required for a half filled flask of water to reach boiling point in each of the flask capacities.

All necessary accessories (e.g. stainless steel with triple housing/interface with different size to accommodate different sized round bottom volumetric flask i.e. 50ml, 100ml, 250m, 500ml and 1000ml) need to be offered with clear description of each type of accessories with their quantity and individual price along with the main equipment

Up to 50 °C and up to 95% humidity (non-condensing)

Electrical 220 ±10 ACV, 50 Hz

Standards and Safety Requirements:

The Equipment conform with the technical requirements of the following standards:

Electromagnetic Compatibility (EMC):

Limits for Harmonic Current Emissions

Limits for Voltage Fluctuations and Flicker

Electrical Equipment for Measurement, Control, and Laboratory Use; Part I: General Requirements

Safety:

Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use; Part I: General Requirements.



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