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INSTRUCTION MANUAL FOR

# MH-1

## MINI HOTPLATE MAGNETIC STIRRER



**PLEASE READ THIS MANUAL CAREFULLY BEFORE OPERATION**

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## **INSTRUCTIONS for use of MINI HOTPLATE MAGNETIC STIRRER**

# **Model MH- 1**

**230V/ 50Hz , 500W**

The Magnetic Stirrer is meant to stir liquids with or without heating.

### **Stirring mechanism :**

- 1) Assure that the Magnetic Stirrer Speed Control is in OFF position.
- 2) Insert a magnetic stirring bar in center of container, containing the liquid to be stirred (the bar should preferably be with a pivot ring, to avoid friction).
- 3) Place vessel in center of plate.
- 4) The stirring speed should be raised gradually (by turning the speed control knob slowly).

If the magnetic stirring bar is thrown to borders of container, this is mainly due to one of the following reasons :

- a. a too rapid rise in the Stirring Speed.  
In this case, turn back to OFF and raise speed gradually.
- b. bottom of vessel is not straight, or liquid is very thick.

### **Heating system :**

1. The hotplate is actuated by the Temperature Control Knob on the front of the instrument, which regulates heat of top plate from slightly above ambient temperature up to 300<sup>0</sup>C. The pilot lamp indicates the thermostat's operation. The plate may be hot to touch, even when the pilot lamp is off.

### **Cleaning :**

1. The plate can be kept clean by covering it with Aluminium Foils. If so, cover the plate only, and not the radiation shields underneath the plate.
2. The plate coated against corrosion, may be cleaned with Scotch-Brite.  
Do not use detergent powder for washing machines containing Caustic Soda.

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**WARNING :**

To avoid electrical shock :

- \* always use a properly grounded electrical outlet of correct Voltage and current handling capacity
- \* always be disconnected from the power supply prior to maintenance and servicing
- \* the plate may be hot to touch, even when the pilot lamp is off
- \* the instrument should not be used where danger of explosion exists