



Magnetic Stirring Heating Mantle LMSHM- A103

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1. Safety Measures

- Because the surface of the glass fiber is coated with grease, it should be slowly heated up for the first time.
- Power off the instrument after the white smoke is produced and then power on after the smoke is dispersed. Repeat it several times, until it is smoke-free. After that, the instrument can be used normally.
- Flammable, explosive, and corrosive liquids are not allowed to be put in the heating mantle.
- A good grounding end must be equipped for this instrument.
- The relative humidity of the operating environment must not exceed 85%. Store it in a dry place and keep away from moisture. If damped, dry it completely before use.
- The stirring speed regulation should be slowly handled. The speed must be increased gradually after the rotation is stable. It is not allowed to start it at a high speed directly, so as not to cause a jump of the stirrer.
- The liquid in the container should not be filled too full, so as not to expand the liquid into the heating mantle during heating, resulting in electric leakage.

2. Introduction

Magnetic Stirring Heating Mantle LMSHM-A103 features a stirring capacity of 1000 mL to ensure convenient operation. Improved with the latest heating temperature-controlled technology to ensure safe and quick heating of samples at 380 ° C. All working parameters monitored on ordinary type display allow a quick recognition of intuitive operation. Utilized with a magnetic stirring bar includes an automatic function for bidirectional stirring.

3. Features

- Integrated with ordinary knob control for temperature and time setting
- Supplied with electronic thermostat temperature regulation for accurate result
- Fitted with standard magnetic stirrer with E-type sensor to ensure safe operation
- Upgraded with adjustable stirring speed for precise stirring
- Designed with high-temperature resistance alkali-free glass fiber insulation
- Include resistance nickel-chrome wire braided into semi-hemisphere insulating material
- Corrosion-resistant durable steel case with electrostatic surface treatment for ease of cleaning

4. Specifications

Model No	LMGW-A101
Max. Stirring Capacity	1000 mL
Working Temperature	380 °C
Speed Range	0 - 1200 rpm
Temperature Controller	Electronic Thermostat Regulation
Display	Ordinary Type
Power Consumption	300 W
Power Supply	AC 110 / 220 V ; 60 / 50 Hz
External Dimension	220 × 260 × 205 mm
Net Weight	3.9 kg
Gross Weight	4.5 kg

5. Applications

It is extensively used in research facilities, laboratories, pharmaceuticals, hospitals, and medical fields for chemical synthesis, distillation, reflux, and other reactions

6. Operations

- 1) Place the incubator on a flat worktable. Plug in the power supply. Make sure it has a good ground lead.
- 2) Put the liquid container into the heating mantle.
- 3) Turn the temperature knob clockwise, the heating indicator will light up. Please heat it gradually according to the required temperature. After reaching the required temperature, turn the temperature knob counterclockwise to achieve the constant temperature.
- 4) **Stirring speed adjustment:** Turn the stirring knob clockwise, the stirring indicator will light up. The stirring speed will increase. Vice versa decreases.
- 5) After the experiment is over, unplug the power cord



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