



**Mag-mixer
Model MB800**

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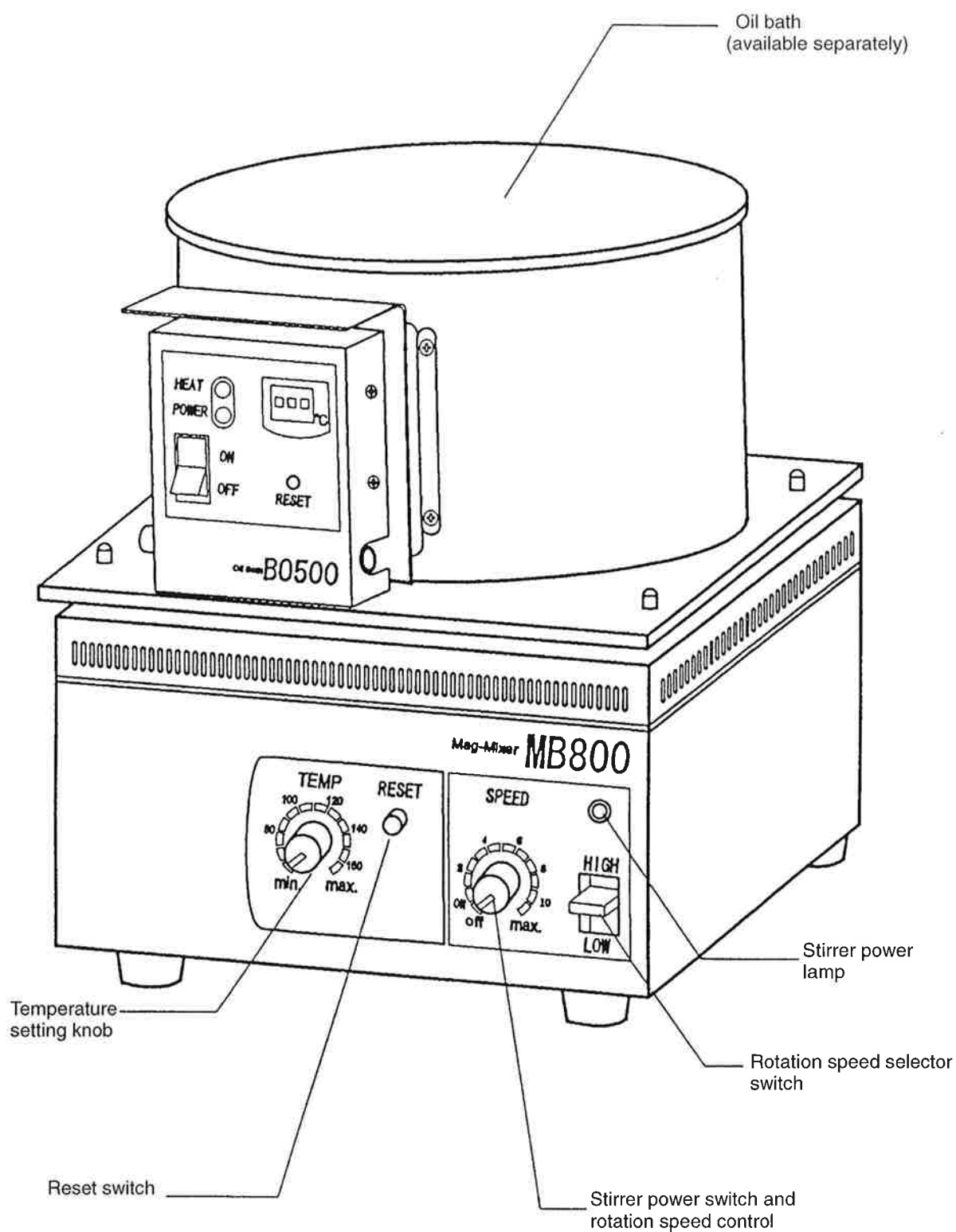
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1. Features

- ☐ This mixer is a unit to stir the solution with a stirrer using a magnet. The electronic-control powerful AC motor ensures stable rotation. The stirring platform is well ventilated and suitable for stirring of the high temperature bath.
- ☐ Two functions are available for temperature overrun of the oil bath. The one is the overheat protection function, in which the temperature sensor of the stirring platform detects the oil bath temperature to cut off power supply to the oil bath. The other function is to detect the oil bath electric leakage to cut off power supply to the oil bath.

2. Appearance and Name of Parts



3. Operation Method (See the figure in the previous page)

- 1) Set the power cycle selector switch on the backside to the power cycle used.
- 2) Confirm that the circuit breaker on the backside and the stirrer power switch and rotation speed control knob in the front are OFF. Plug a power cord to the 11A or more receptacle.
- 3) Place an oil bath on the stirring platform in such a manner that its bottom contacts the temperature sensor positively and put a stirrer into the bath gently.

Note)• In the normal condition, the sensor is protruding from the stirrer platform. This is put into close contact with the bath by a force of spring.

- **When stirring the oil bath (our BO500, etc.), the bottom may be holed if the stirrer is contacting directly the bath bottom. Place a stainless steel or glass plate in the bottom to prevent direct contact.**

- 4) Insert the oil bath plug into a receptacle on the backside. Take care not to allow the oil bath power plug to contact the top plate
- 5) Set the temperature setting knob in the front to the temperature at which the oil bath is to be stopped. Set the temperature to the oil bath set temperature plus about 10°C.

Be sure to check the operation in one hour when the stirring platform temperature is stabilized.

Note)• The temperature scale of the unit indicates the position where the oil bath BO500's overheat protection mechanism is activated when this is used at the room temperature of 25°C with four liters of silicon oil and the rotation is set to LOW (7). For use under other conditions, determine the set temperature while operating the reset switch.

- **When setting the temperature of this mixer, the temperature sensor may be activated to cut off power supply to the oil bath. In this case, press the reset switch to resume power supply and carry out setting again. Repeat this operation till the desired stop temperature is set.**

- 6) When the overheat protection function is activated, power supply to the oil bath is cut off. After removal of the cause, press the reset switch to resume operation.
- 7) Set to HIGH (high speed) or LOW (low speed with the rotation speed selector switch.
- 8) Turn the stirring section power and rotation speed control knob to the required rotation speed.
- 9) After use, be sure to disconnect and store the power cord of the unit.

4. Specifications

Name of product		Mag-mixer (with overheat prevention device)
Model		MB800
Stirring platform	Material	Al (anodized)
	Dimensions (mm)	W250 × D220
Stirring capacity		100 ml – 10 liter
Rotation speed		70 – 1,200 rpm
Motor		AC motor, electronic control
Overheat prevention setting		70 – 200°C
Sensor		Thermistor
Output receptacle (Power OFF in case of overheat)		100VAC 50/60 Hz Max. 10A
Safety device		Earth leakage breaker, overheat protection device to cut off power supply to the oil bath
Power supply		100VAC 50/60 Hz 11A (Max. when oil bath is connected)
Overall dimensions (mm)		W250 × D270 × H150
Weight (kg)		Approx. 4.2
Accessories		Stirrer 40 mm, 1 piece