



Magnetic Stirrer

MS2013
MS2024
MS2026

MANUAL

Thank you very much for selecting Mi-sung products.
For your safety, please read the following before using.

Main products

- Temp controller
- ▣ Heating Tape
- Hot plate
- Digital
- ▣ Mantle, Analog
- Mantle, Rota Mantle
- ▣ Digital Stirrer
- Analog stirrer

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General Information

Unpack your item carefully and inspect for damage and report such damage or missing parts to your supplier right away.

Read your instruction manual carefully. Take time to save time while working with your item.

Make sure that every user has read and understood the instruction manual.

Please store the instruction manual in a place easily accessible to every user.

Safety Information

Please comply with all safety and accident-prevention regulations as in force for laboratory work!

Use extra care when working with flammable substance; refer to safety data sheets.

When connecting your item with your local power supply, please make sure your item is designed for your local supply voltage; go by data plate on the item.

Turn your power switch OFF whenever the item is not used, or before disconnecting the plug.

Use extra care when working in the vicinity of flammable and explosive substances. Motor are non-sparking type, however, the item itself is not explosion proof.

Please do not connect your instrument without a protective ground outlet.

Your item requires a solid stand.

Warning

To avoid electrical shock, always:

1. Use a properly grounded electrical outlet of correct voltage and current handling capacity.
2. Disconnect from power supply before servicing.

To avoid personal injury:

1. Do not use in the presence of flammable or combustible materials; fire or explosion may result.
This item contains components which may ignite such materials.
2. Keep the item clean. Use non-abrasive cleaner. Alkali spills, hydrofluoric acid spills or phosphoric acid spills may damage the item and lead to thermal failure. Unplug unit and remove spills promptly. Do not immerse unit for cleaning.
3. Do not remove or modify grounded power plug. Use only properly grounded outlets to avoid shock hazard.
Not rated for use in hazardous atmospheres.
4. Use appropriate hand and eye protection when handling hazardous chemicals.
5. Do not use in highly corrosive atmospheres; corrosive fumes and spill may damage your item and internal components,

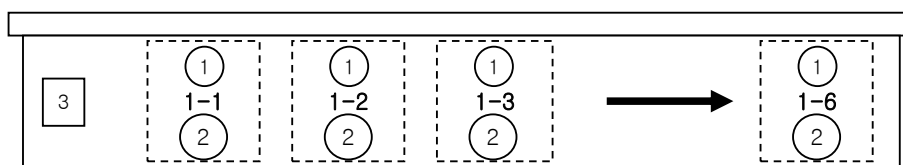
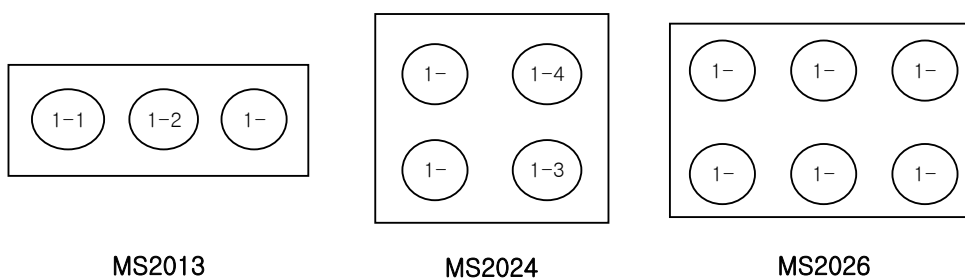
Caution

Space instrument 12 inches away from combustible materials under any conditions.

1. Specifications

MODEL		Magnetic Stirrer		
		MS2013	MS2024	MS2026
Heating & Stirring Positions		3 Positions	4 Positions	6 Positions
Stirring	Speed	up to 1500rpm		
	Speed display	Scale		
	Capacity(H ₂ O)	Up to 1000ml		
Distance between stirring places		130mm		
Speed controller		Feed-back control		
Dimensions	Plate area(mm)	400 x 140	280 x 270	400 x 270
	Overall(WxDxH)	400 x 220 x 80	280 x 350 x 80	400 x 350 x 80
Electrical supply		AC220V 50/60Hz or AC110V 50/60Hz		

2. Functional Description



1. Motor "ON" lamp : It display output of the Motor.
2. Motor rpm control : It is used for the controlling of the Motor rpm.
3. Main power S/W : It is for On/Off of the main power.

3. Operation and control

1. Stirring: Turn the speed control(2) On. Set speed to meet your needs by rotation of the speed control (1) on the front panel.
2. Turn the main power S/W OFF.
3. Turn your power switch OFF and disconnect the plug whenever the unit is not in use.

Keep the unit clean.

Note:

- 1)Range of speed control : 100~1500 rpm
(Every 10rpm increases by rotation the knob right-handed and every 10rpm decreases by rotation the knob left-handed)
- 2)Speed control knob in extreme left (CCW) position stops operating.
- 3)Set the speed(rpm) with the dial,it arrives at the set value shortly and maintaind contant speed by arithmetic logic unit.(Smooth start function)
- 4)If motor does not run on starting,make it run in 3 second by a increasing or output until 10rpm or more.