



Analog Magnetic Hotplate

Model Series YR02933

Instruction Manual

Thank you very much for purchasing our Analog Magnetic Hotplate Model Series YR02933.

Please read the "Operating Instructions" and "Warranty" before operating this unit to assure proper operation. After reading these documents, be sure to store them securely together with the "Warranty" at a hand place for future reference.



Warning: Before operating the unit, be sure to read carefully and fully understand important warnings in the operating instructions.



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Features

1. Exclusively adopts ceramic heating surface for heating, beautiful and anticorrosive, without deformation when heated.
2. Unique heating method, the highest surface temperature can reach 330 °C.
3. Built-in electronic voltage regulating circuit, thyristor control.
4. It can heat and stir 50-10000ml standard or non-standard reaction bottles, non-magnetic metal or other non-metal containers.
5. Using DC brushless speed regulation motor, stable performance, low noise, long life and no sparks.
6. Patented new shell, high temperature resistance, corrosion resistance, and good insulation performance.
7. 30 ° slope control panel is suitable for sitting and standing viewing angles.
8. Stepless speed regulation, stable low speed and strong high speed.

Instructions

1. Fix the vertical post in the screw hole at the top and rear of the mixer (note: there are skeins and inverted wires), adjust the height of the cross clamp, fix the reaction bottle with a universal clip, put it in a suitable stir bar, and insert the power supply ~ 220V, turn on the switch.
2. Adjust the "stirring" knob clockwise and adjust to the appropriate position for stirring according to the speed display.
3. If the stirring capacity is large or the solution is thick, you can increase the knob to increase the stirring intensity.
4. Adjust the "Temperature Adjusting" knob clockwise to adjust the temperature to the appropriate position for heating.
5. If the temperature needs to be displayed, glass thermometer or digital thermometer can be used for auxiliary measurement.
6. If jumping phenomenon occurs, please stop stirring and start slowly.
7. YR series single mixing and YR-1 series heating plates and other similar products are used in the same way.

Technical parameter

Power source: ~ 220V, 60Hz

Speed range: 50-1800 rpm, stepless speed regulation

Motor power: 40W, DC14-24V

Stirring capacity: 50-10000ml

Temperature control method: stepless voltage regulation, thyristor control

Temperature control accuracy: ± 3 °C

Heating power: 260-750W

Heating temperature: 330 °C

Boiling: water 10-25 minutes

Furnace wire: Cr20Ni80

Heating area: 140 * 140 180 * 180 230 * 230 280 * 280mm

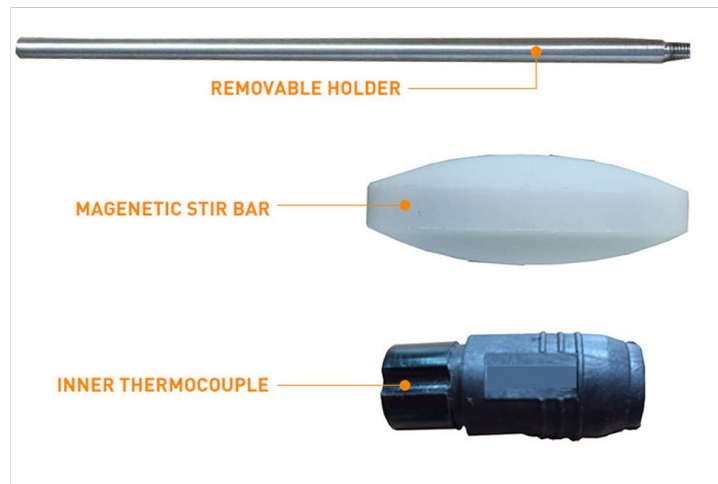
Material: Ceramic

Working time: continuous

Insurance tube: $\varnothing 5 \times 20$ 15A.



ACCESSORIES LIST



Precautions

1. The temperature of the heating plate is very high. Be careful of burns during operation.
2. Do not use dry burning.
3. The instrument should be well grounded.
4. When it is used for the first time, there is white smoke and odor coming out, which is normal. Because the internal insulating material contains oil and other compounds during the production process, it should be placed in a ventilated place and can be used normally after a few minutes. .
5. Due to the limited temperature resistance of the motor and magnet of the stirrer, the instrument cannot be used for heating only during the heating test, especially the high temperature heating test. Please adjust the motor to a rotating or low-speed rotation state (idling) to prevent the motor, Magnets are damaged by high temperature radiation.
6. When the high-temperature heating is finished, please turn off the heating first, and wait for a few minutes for the temperature to dissipate before turning off the stirring.
7. When there are wet hands, liquid spilled or exposed to excessive humidity for a long time, induced electricity may be transmitted to the casing through the insulation layer. Please ground the wire and pay attention to ventilation. If the leakage is serious, please don't use it again. It needs to be dried in the sun or dried in an oven before use to avoid danger.
8. If no power is found, first check whether the rear right insurance needs to be replaced.
9. When not in use for a long time, please keep the instrument clean and store it in a dry and non-corrosive gas.

If the content of this manual is different due to the improvement of the product or the products involved in this manual, the content of this manual is subject to change without notice.



Model	YR02933	YR02934	YR02935	YR02936
Top Plate Dimension (mm)	140x 140	180x 180	230x230	280 x280
Heating Temperature Range (°C)	Ambient to 400	Ambient to 400	Ambient to 400	Ambient to 400
Max Temp for top plate surface	325°C			

Heat Control	PID Control			
Temperature Range	Ambient to 400			
Top Material	Black Ceramic Round shape,			
Temperature Display (°C)	Scale			
Stir Speed	100 ~ 2000rpm			
Stir Display	Scale			
Permissible Ambient Temperature	Ambient Temperature to 40°C			
Voltage	220v ,50Hz / 110v 60 Hz.			
Power(w)	450	550	750	1000
Motor Power	40W, DC20V	40W, DC20V	40W, DC20V	40W, DC20V
Temperature Accuracy (°C)	±1°C			
Stirring Volume (ml)	50-500	50-5000	50-10000	50-15000
Overall Dimensions (mm) (L × W × H)	265 ×155 × 120	325 × 215 ×120	430 × 270 × 150	500 × 330 × 150
Packing Dimension (mm)	315 × 205 ×170	375 × 265 ×170	480 × 320 × 200	550 × 380 × 200
Shipping Weight (kg)	2.2±0.2	4±0.2	7±0.2	9.5±0.2
Shell Material	Superfine Metal			

