MS-H220-V3/MS-H220-V5

LCD Digital Heating Magnetic Stirring Bath

Features

- High borosilicate glass liner, resistant to sudden changes from hot to cold without breaking, transparent glass window for monitoring reaction product changes; stainless steel base, rust-resistant, easy to clean; high-temperature resistant protective outer shell to prevent direct contact with hot glass and burns.

- Dual-use stirring bath for water and oil, with secondary stirring in the bath pot. The stirring of the bath liquid simultaneously stirs the liquid sample in the flask, ensuring uniform heating of both bath liquid and sample.

- Safety lock to prevent accidental changes in operational status.

- Buzzer: A "beep beep beep" alert sounds when the countdown timer function ends. Button tone.

- Features a timer function with a range of 1 min to 99h59min. It stops heating when the countdown ends but continues stirring to prevent heat damage to the sample.

- Touch buttons with audible prompts.

- Working status indicator light: Green during operation, flashing green before reaching set temperature; alarm red.

- Reversible function.

- Protection features: dry burning protection, overcurrent protection, ground fault protection, and overtemperature protection.

- Residual heat warning function. When the plate temperature is above 50°C, heating is turned off, and the screen flashes "HOT" as a reminder of the high temperature even after the power is off.

- Two independent safety circuits continuously monitor the device. In case of overheating, sensor failure, or circuit short, the machine will error report and stop heating or automatically cut off power to ensure operator safety.

- DC brushless motor, spark-free, long life; low noise, maintenance-free, stable operation.

- LCD displays speed, time, and temperature parameters clearly and intuitively.

Specifications

Specifications	MS-H220-V3	MS-H220-V5
Heating pan material	High borosilicate glass + stainless steel base	High borosilicate glass + stainless steel base
Motor type	Brushless DC motor	Brushless DC motor
Stirring positions	1	1
Max. stirring quantity [H_2O]	3L	5L
Max. magnetic bar [length]	40mm	40mm
Speed range	100~1500rpm，±10rpm	100~1500rpm，±10rpm
Speed display	LCD	LCD
Temperature display	LCD	LCD
Heating temperature range	Room Temp.-220°C	Room Temp.-220°C
Heating liquid temperature control accuracy	±1°C	±1°C
Overheating temperature protection	350°C	350°C
Temperature display accuracy	0.1°C	0.1°C
External temperature sensor	PT1000	PT1000
"Hot" warning	50°C	50°C
Buzzer	Yes	Yes
Positive and negative rotation	Yes	Yes
Protection class	IP21	IP21
Motor rating output	20W	20W
Heating output	850W	850W
Power	900W	900W
Voltage,Frequency	100-120V,60Hz; 200-240V,50Hz	100-120V,60Hz; 200-240V,50Hz
Bath size	Ø220×105mm	Ø240×135mm
Maximum flask volume can be placed	3L	5L
Dimension [WxDxH]	343×215×283mm	343×228×283mm
Weight	6.0kg	6.7kg
Timer function	1min-99h59min	1min-99h59min
Permissible ambient temperature and humidity	5-40°C, 80%RH	5-40°C, 80%RH