

Heated Magnetic Stirrers

BMS-07A3, BMS-09A5, BMS-09A12, BMS-07B3, BMS-09B5 & BMS-09B15



Redesigned for Improved Performance

The BEING BMS Series heated magnetic stirrers combine the benefits of a hotplate and a stirrer in a compact design to maximize the unit's capabilities and usage. They provide continuously reliable and stable laboratory temperature and stirring control for various applications and are widely used in biology, medicine, chemistry, and other fields.

Construction Features

- Available in
 - 2 Platform sizes: 130 x 130mm and 180 x 180mm
 - Solution and platform heating control
- Platform made of aluminum plate for excellent heat transfer and PES coated for corrosion resistance.
- Die-cast aluminum housing is high temperature- and corrosion-resistant for easy cleaning.
- Guide groove above the control panel whisks away liquid overflows during stirring eliminating potential electronics damage.
- High output torque suitable for mixing large capacity low viscosity or small capacity high viscosity liquids.

Performance Features

- Stirring Capacity:
 - Solution Control: Ambient + 5°C to 200°C
 - Platform Control: Ambient + 5°C to 320°C
- Temperature Range:
 - Solution Control: Ambient + 5°C to 200°C
 - Platform Control: Ambient + 5°C to 320°C
- Temperature Stability:
 - Solution Control: Ambient + 5°C to 200°C
 - Platform Control: Ambient + 5°C to 320°C
- Speed Range: 200 to 2000rpm
- Frequency Accuracy: ±1

Controller Features

- PID automatic control provides accurate and reliable temperature control and stable speed with constantly changing stirring viscosity.
- Large intuitive LCD display
- Automatic power on/off
- Programmable function
 - Fixed value program
 - Multi-step: 8 programs, 8 steps
 - Untimed and timed programs
 - Program time from 1 minute to 99 hours 59 minutes

Safety Features

- Independent over-temperature protection meets DIN 12880 International standard requirements
- Temperature limit protection
- Temperature deviation protection
- Over-current protection
- Power off memory
- Scald/burn warning light illuminates and flashes when platform temperature is $\geq 55^{\circ}\text{C}$ to remind user not to touch.

Intelligent controller with bright, easy-to-understand LCD display.



Turn the dials and push to easily program the controller.

Easily contact temperature probe on solution control models with PS/2 connector.



BEING Scientific Inc.

Specifications

	Magnetic Hotplate Stirrer w/ Liquid Temperature Control			Magnetic Hotplate Stirrer		
Model	BMS-07A3	BMS-09A5	BMS-09A12	BMS-07B3	BMS-09B5	BMS-09B15
Max. Stirring Capacity ¹ (L)	3	5	12	3	5	15
Plate Size (W x D) (in / mm)	5.1 x 5.1 130 x 130	7.1 x 7.1 180 x 180	7.1 x 7.1 180 x 180	5.1 x 5.1 130 x 130	7.1 x 7.1 180 x 180	7.1 x 7.1 180 x 180
Speed Range (rpm)	200 - 2000					
Frequency Accuracy (rpm)	±1					
Control	LCD Microprocessor PID					
Temperature Range	Ambient + 9°F - 392°F / Ambient + 5°C - 200°C (Solution Control)			Ambient + 9°F - 608°F / Ambient + 5°C - 320°C (Platform Control)		
Temperature Accuracy	±0.54°F / ±0.3°C			±0.9°F / ±0.5°C		
Display Resolution	0.1					
Timer (hh:mm)	00:01 – 99:59					
Heating Power	450W	550W	650W	400W	550W	650W
Overall Dimension (W x D x H) (in / mm)	5.9 x 9.8 x 4.3 150 x 250 x 110	8.3 x 13.0 x 5.1 210 x 330 x 130	8.3 x 13.0 x 5.1 210 x 330 x 130	5.9 x 9.8 x 4.3 150 x 250 x 110	8.3 x 13.0 x 5.1 210 x 330 x 130	8.3 x 13.0 x 5.1 210 x 330 x 130
Electrical Requirement	100V - 240V 50/60Hz					
Electrical Plug Type	NEMA 5-15					
Power Consumption	500W	600W	750W	500W	600W	750W
Net Weight (lb / Kg)	8.8 / 4	11.0 / 5	11.0 / 5	7.7 / 3.5	9.9 / 4.5	9.9 / 4.5
Catalog Number	BMA150703U	BMA150905U	BMA150912U	BMB150703U	BMB150905U	BMB150915U

¹Measured by H₂O, the viscosity of the liquid will vary from stirring capacity.