

## Magnetic Stirrer (Ceramic platform)



Magnetic stirrer to measure liquid temp.

Hot plate

### Application

Magnetic stirrer is working by micromotors driving high temperature-resistant, powerful magnets rotating, create rotating magnetic field to lead the agitator in the container to stir, mix or assist heating the liquid in the container so that the solution can be fully mixed at the set temperature. It can be widely used in biological, pharmaceutical and chemical fields.

### Features

- LCD screen, menu operation interface, temp, rotation speed and count down timer etc parameters display at one screen. It is easy to understand and operate.
- Micro computer control assures the speed remains stable with constantly changing stirring viscosity.
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding ceramic materials. It has both good thermal effect, but also have corrosion resistance, smooth platform is easy to clean, no contaminants stay.
- Large output torque, suitable for mixing low viscosity large capacity or high viscosity small capacity liquid.(Different types of different capacities)
- There is a corrosion-resistant guide groove above the control panel, even if the liquid overflows during stirring, it doesn't cause damage to the electronics in the agitator.
- Brushless DC motor, work more stably, long life and control more accurate.

### Safety protection

- Temperature deviation protection: A/BT series measured temperature over set temperature certain value(3°C- 30°C), it stops heating.
- Over-temp. protection: When platform temp is over Max. set temp, it stops heating power.
- High temperature light indication : when platform temp. is over 50°C, indication light flashes to remind user can't touch the platform.
- Special protection: Anti-burn cover (option)

### Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: AT series with external temp. sensor, it can detect and control liquid temp. in the container.
- Heating magnetic stirrer: BT series platform temp. max reach 400°C
- Magnetic stirrer: CT series no heating function, only stirring.

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### Technical parameters

Model	BM-09A5T	BM-09A12T	BM-09B5T	BM-09B15T	BM-09C15T
Max mix capacity	5	12	5	15	15
Speed range	100 - 1600rpm (2000 option)				
Heating power	1000W	1200W	1000W	1200W	—
Input power	1050W	1250W	1050W	1250W	50W
Solution control temp.	RT+5 - 200		—		—
Platform control temp.	—		RT+5 - 400		—
Control temp accuracy	±0.3		±0.5		—
Timer range	1-99:59(99h59min)				
Platform size(mm)	190×190				
Overall size W×D×H(mm)	210×330×130				
Net weight	5Kg	5Kg	4.5Kg	4.5Kg	4Kg

Note: Measured by H<sub>2</sub>O, the viscosity of the liquid will vary from stirring capacity.