



Stirrers

Magnetic stirrer (Ceramic platform)



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.

Feature

Humanization design

- 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:07A/B and 09A/B T series measured temperature over set temperature certain value(0°C -30°C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warming light: 07A/B and 09A/B T series platform temp. over 55°C , warming light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: 07A and 09A T series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:07B and 09B T series platform temp. max reach 400°C
- Magnetic stirrer:09C T series no heating function, only stir.

Magnetic stirrer (Ceramic platform)

Technical parameters

Model	Gentiana BM-07A3T	Gentiana BM-07B3T	Gentiana BM-09A5T	Gentiana BM-09B5T	Gentiana BM-09A12T	Gentiana BM-09B15T	Gentiana BM-09C10T	Gentiana BM-09C15T
Max mix capacity	3	3	5	5	12	15	10	15
Speed range	200~2000rpm							
Heating power	400W	400W	800W	800W	1200W	1200W	—	—
Input power	500W	500W	900W	900W	1300W	1300W	100W	100W
Solution control temp.	RT+5 ~ 200°C	—	RT+5 ~ 200°C	—	RT+5 ~ 200°C	—	—	—
Platform control temp.	—	RT+5 ~ 320°C	—	RT+5 ~ 320°C	—	RT+5 ~ 400°C	—	
Control temp accuracy	±5°C	±15°C	±5°C	±15°C	±5°C	±15°C	—	
Platform size(mm)	100×100		180×180					
Overall size W×D×H(mm)	150×250×110		210×330×130					
Net weight	4.5Kg	4Kg	5.5Kg	5Kg	5.5Kg	5Kg	5Kg	5Kg

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

Magnetic stirrer (Square platform)



Magnetic stirrer to measure liquid temp.



Hot plate

Application

The magnetic stirrer rotates the rotor through the rotation of the base, realizes the mixing of the liquid and solid mixture. During stirring, it comes with platform heating, which control temp stable and speed up the rate of mixing or solid solution, and improve the reaction speed of chemical experiments. It is widely used in biology, medicine, chemistry and other fields.

Feature

Humanization design

- 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.
- Stirring speed is controlled and stable, it can fast achieve liquid mixing and solution and solid mixture mixing .
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding aluminium alloy 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.

Safety protection

- 50% increase in temperature tolerance with the latest optocoupler materials.
- Temperature deviation protection: 09A/B series measured temperature over set temperature certain value(0 °C -30 °C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warming light: 09A/B series platform temp. over 55°C , warming light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: **GentianaBM- 07A** and **GentianaBM-09A** series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:BM-09B series platform temp. max reach 400°C

Magnetic stirrer (Square platform)

Technical parameters

Model	Gentiana BM-07A3	Gentiana BM-09A5	Gentiana BM-09A12	Gentiana BM-07B3	Gentiana BM-09B5	Gentiana BM-09B15
Max mix capacity	3	5	12	3	5	15
Speed range	200~2000rpm					
Heating power	450W	550W	600W	450W	550W	600W
Input power	500W	600W	650W	500W	600W	650W
Solution control temp.	RT+5 ~ 200°C			—		
Platform control temp.	—			RT+5 ~ 320°C		RT+5 ~ 450°C
Control temp accuracy	±5°C			±15°C		
Platform size (mm)	130×130	180×180	180×180	130×130	180×180	180×180
Overall size W×D×H (mm)	150×250×110	210×330×130	210×330×130	150×250×110	210×330×130	210×330×130
Net weight	4.0Kg	5.0Kg	5.0Kg	3.5Kg	4.5Kg	4.5Kg

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

Magnetic stirrer (Round 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.

Feature

Humanization design

- 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.
- Stirring speed is controlled and stable, it can fast achieve liquid mixing and solution and solid mixture mixing .
- Aluminium die-cast housing cover, high temperature-resistant and anti-corrosion, easy to clean.
- Platform is made of one molding aluminium alloy 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.

Safety protection

- Temperature deviation protection:08A/B series measured temperature over set temperature certain value(0 °C -30 °C), it stops heating.
- Extreme ultra-temp. protection: When platform temp is over set temp, it stop heating power.
- Anti-hot warning light: 08A/B series platform temp. over 55°C , warning light flash to remind user can't touch the platform.
- Special protection: Anti- hot cover (Option)

Ceramic magnetic stirrer classification

- Constant temp. magnetic stirrer: **GentianaBM-08A** series with outer temp. sensor, it can detects and controls liquid temp. in the container, precise and reliable.
- Heating magnetic stirrer:**GentianaBM-08B** series platform temp. max reach 400°C
- Magnetic stirrer:**GentianaBM-08C** series no heating function.

Magnetic stirrer (Round platform)

Technical parameters

Model	GentianaBM-08A3	GentianaBM-08B3	GentianaBM-08C5
Max mix capacity	3		5
Speed range	200~2000rpm		
Heating power	550W		—
Input power	600W		50W
Solution control temp.	RT+5 ~ 200°C	—	—
Platform control temp.	—	RT+5 ~ 400°C	—
Control temp accuracy	±5°C	±15°C	—
Platform size (mm)	Φ 145		
Overall size W×D×H(mm)	150×250×130		
Net weight	4.0Kg	3.5Kg	

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

Magnetic Stirrer

LCD Microprocessor Controller (with timing function)

The Magnetic Heated Stirrers offer a large variety of sizes and temperature ranges to accommodate your laboratory needs. Our stirrers provide a user friendly PID controller offering a large LCD color screen for easy viewing. They are constructed for durability, high performance and safety.

Features

- Large LCD screen to display more data at same time.
- External temperature sensor for liquid, temperature range from ambient temperature to 200°C .
- Free-step speed adjustment.
- Die-cast Aluminum alloy external chamber.
- Aluminum alloy working plate.
- Over-temp alarm system, auto switch off when 470°C .
- Caution indication light when plate temperature reach 50°C .

Differences between A/B series

- Magnetic Stirrer Series GentianaBMS-07A and GentianaBMS-09A include external temperature sensor which can measure liquid's temperature directly. Temperature range is from Ambient +5°C to 200 °C .
- Magnetic Stirrer Series GentianaBMS-09B and GentianaBMS-07B are able to reach highest temperature as 450 °C .



Gentiana08 series

Gentiana07 series

Specifications

Model	Gentiana IT-07A3	Gentiana IT-09A5	Gentiana IT-09A12	Gentiana IT-07B3	Gentiana IT-09B5	Gentiana IT-09B15	Gentiana IT-09C10	Gentiana IT-09C15
Stirring capacity (H ₂ O)	3L	5L	12L	3L	5L	15	10	20
Liquid temp range	RT+5°C ~200°C			/			/	
Working plate temp range	/			ambient+5°C ~320°C				
Speed rang(rpm)	200~2000							
Temperature accuracy	±1%					±15°C		/
Plate dimension(mm)	130×130	180×180	180×180	130×130	180×180	180×180	180×180	180×180
Exterior dimension (W×H×D)mm	150×110×249	210×130×330	210×129×330	150×110×249	210×129×330	210×330×130	210×330×130	210×330×130
POWER(AC Hz)	220V/50							
Heating power Input power (Max. W)	400/500	550/600	650/750	400/500	550/600	650/750	-/50	-/50
Weight(KG)	4	5	5	3.5	4.5	4.5	4.0	4.0

Specifications

Model	GentianaIT-08A3	GentianaIT-08B3	GentianaIT-08C5
Stirring capacity (H ₂ O)	3L		5L
Speed rang(rpm)	200~2000		
Power	600W		50W
Liquid temp range	RT+5 ~ 200°C	—	—
Working plate temp range	—	RT+5 ~ 320°C	—
Temperature accuracy	±5°C	±15°C	—
Plate dimension(mm)	Φ 145		
Exterior dimension (W×H×D)mm	150×250×130		
Weight(KG)	4.0	3.5	