



Technical resources

Portable Mini Magnetic Blender

<https://www.tencanballmills.com/en/products/research-equipment/portable-mini-magnetic-blender.html>

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Portable Mini Magnetic Blender

Model:

Compact mini magnetic stirrer for efficient mixing of low-viscosity liquids and solid-liquid mixtures. Ideal for lab use, portable design with optional heating.

Technical specifications

Stirring volume	2L
Speed control	Stepless speed control
Speed range	60~2400RRM/MIN

These specifications describe the series. Confirm the selected model, power supply and configuration before ordering.



Mini magnetic stirrer is a laboratory instrument used for liquid mixing. It is mainly used to stir or simultaneously heat and stir low-viscosity liquids or solid-liquid mixtures. The basic principle is to use the magnetic field to push the magnetic stirrer placed in the container to rotate in a circle, thereby achieving the purpose of stirring the liquid.

Cooperating with the heating temperature control system, the sample temperature can be heated and controlled according to specific experimental requirements, maintaining the temperature conditions required for the experimental conditions, and ensuring that the liquid mixing meets the experimental requirements.

Utilizing the repulsive properties of magnetic substances of the same nature, the magnetic stirring is promoted by continuously changing the polarity of both ends of the base, and the rotation of the magnetic stirrer drives the sample to rotate, so that the sample is evenly mixed;

The sample is heated through the bottom temperature control plate, and the rotation of the magnetic stirrer is used to heat the sample evenly and reach the specified temperature (this function is optional);

By adjusting the heating power, the heating speed can be controlled to suit a wider range of sample processing processes.

A general magnetic stirrer has two functions: stirring and heating.

The first function is to mix the reactants evenly and make the temperature uniform;

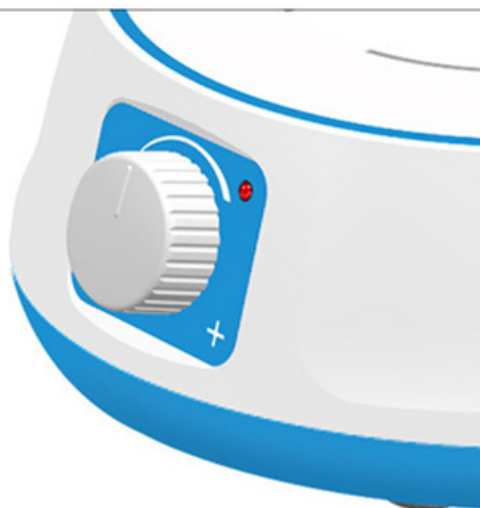
The second function is to speed up the reaction speed or evaporation speed and shorten the time.

搅拌系列

产品特点

通用电源接口

通用圆形电源接口，应用更广泛



自主研发旋钮

根据客户的需求，自主研发旋钮，只为更好的提高客户的体验度。

Technical parameters

model	CLJ-MT	CLJ-M	CLJ-MS	CLJ-MG
model	basic type	basic type	Digital display type	Digital display heating type
Stirring volume L	2	2	2	2
Speed range RRM/MIN	60~2400	60~2400	60~2400	60~24000
Speed regulation method	Stepless speed regulation	Stepless speed regulation	Stepless speed regulation	Stepless speed regulation

Speed display	none	none	LCD	LCD
Stirrer applicable rangeMM	20~30	20~30	20~30	20~30
Work plate material	ABS	ABS	High borosilicate glass	High borosilicate glass
Shell material	ABS	ABS	ABS	ABS
Motor type	DC motor	Brushless motor	Brushless motor	Brushless motor
Instrument sizeMM	178*164*62	178*164*62	185*164*64	185*164*64
Packing sizeMM	235*193*193	235*193*193	235*193*193	235*193*193
allowable ambient temperature℃	5~40	5~40	5~40	(-5~40)
Working voltage V	100~240	100~240	100~240	100~240
FrequencyHZ	50~60	50~60	50~60	50~60
Output power W	3	2.5	2.8	2.8
Heating power	/	/	/	20
Net weightKG	0.5	0.5	0.8	1.2
Gross weightKG	1	1	1.3	1.7

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Before operation, review the selected model's instructions and the material requirements.