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Product Brochure



RESEARCH EQUIPMENT

Portable Mini Magnetic Blender

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

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



Product Overview

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



Portable Magnetic Stirrer

CLJ-MT/M/MS/MG

Brushless DC Motor, Stable Operation

Uniform Mixing, Even Temperature

Speeds Up Reactions
Saves Time



Universal Power Port

Universal circular power connector for wider application

SAFETY: THIS PRODUCT IS NOT TO BE USED IN A HAZARDOUS ENVIRONMENT. PLEASE READ THE USER MANUAL CAREFULLY BEFORE USING THE PRODUCT. THE PRODUCT IS NOT TO BE USED IN A HAZARDOUS ENVIRONMENT. PLEASE READ THE USER MANUAL CAREFULLY BEFORE USING THE PRODUCT.

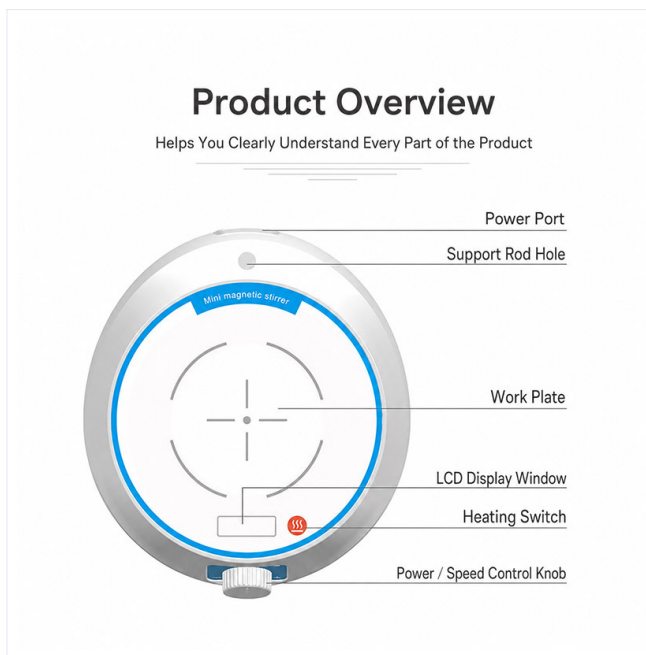


Custom-Developed Knob

The knob was independently developed according to customer needs to improve the user experience.

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Product Introduction

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.

Stirring Series

Product Features

Universal Power Port

Universal round power connector for wider applications.



In-house Developed Knob

In-house developed knob, designed according to customer needs to better enhance user experience.

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°C	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

Accessories & Customization

Accessories

Grinding jars, heating elements, sample holders, control modules and other matching accessories can be selected according to the product configuration.

Customization

For voltage, capacity, chamber size, process temperature or application requirements, please contact TENCAN for a suitable configuration.