



## Magnetic Stirrer with Stir Bar

SKU:FIT0537

### *INTRODUCTION*

A magnetic stirrer or magnetic mixer is a laboratory device that employs a rotating magnetic field to cause a stir bar (or flea) immersed in a liquid to spin very quickly, thus stirring it. The rotating field may be created either by a rotating magnet or a set of stationary electromagnets, placed beneath the vessel with the liquid.

Magnetic stirrers are often used in chemistry and biology, where they can be used inside hermetically closed vessels or systems, without the need for complicated rotary seals. They are preferred over gear-driven motorized stirrers because they are quieter, more efficient, and have no moving external parts to break or wear out (other than the simple bar magnet itself). Magnetic stir bars work well in glass vessels commonly used for chemical reactions, as glass does not appreciably affect a magnetic field. The limited size of the bar means that magnetic stirrers can only be used for relatively small experiments, of 4 liters or less.

Because of its small size, a stirring bar is more easily cleaned and sterilized than other stirring devices. They do not require lubricants which could contaminate the reaction vessel and the product.

Compared with similar magnetic stirrers in the market, this magnetic stirrer is small and thin, without noise and vibration. The power supply voltage in need is only 12V, convenient and reliable. When you want to do some experiments and need stir liquids, when you want to make a man-made vortex, you will find it is practical to use. If you want to get values that are more accurate in water quality tests, this magnetic stirrer will raise the detection effect, providing data that are more accurate. In short, it is a good helper for scientific research and DIY projects.

NOTE: Please adjust the speed knob from slow to fast to reach the desired speed. High-speed gear start is forbidden to avoid stirring out of sync.

Caution: This product does not include power supply, it is recommended to buy Wall Adapter Power Supply 12VDC 1A (American Standard)

## *FEATURES*

- Nd-Fe-B Magnetic Stirrers
- Adjustable Speed
- Wide Power Supply of 9~12V (DC)

## *SPECIFICATION*

- Input: 12VDC@1A
- Mixing Speed: 0 ~ 3000 rpm
- Max Mixing Volume: 3000 mL
- Overall Dimensions: 180mm X 130mm X 45mm
- Working Table Dimensions: 130mm x 130mm
- Table Material: 316 Stainless Steel Plate
- Weight: 790 g

## *SHIPPING LIST*

- Magnetic Stirrer x1
- Stir Bar x1