

Overhead Stirrer

WB2000-M / WB2000-C

WIGGENS® offers overhead stirrers for your stirring and mixing tasks in the lab for low to high viscosities. Safety, power and intelligence are again at the core of the development of this product range. The powerful motors achieve homogeneous results with exact speed even under changing loads or high viscosity and produce little noise. Many reliable solutions are available, according to different requirements in terms of viscosity and volume.

WIGGENS® overhead stirrers process stirring quantities of up to 100 liters.

- > Brushless DC motor, which is very suitable for long-term experimental applications
- > Stable and accurate stirring process due to latest micro-processor technology
- > Slow ramp-up and speed limits protect you from splashes
- > Totally enclosed and compact casing
- > The high torque ensures maximum efficiency and minimal processing time even for high-viscosity media
- > Stable and quiet working process
- > Internal overload protection
- > Adjustable impeller shaft for different heights
- > Soft start at low speed guarantees a smooth and safe stirring process
- > Suitable for applications in various environments
- > The standard version package entails the overhead stirrer, a stand, rod, and clamp, as well as a stainless steel impeller
- > Availability of a wide range of different optional impellers

Features of the WB2000-C

- > Employs all basic functions of the WB2000-M overhead stirrer
- > The WB2000-C come with a reversible rotation function
- > The WB2000-C employs button control and a bright LCD speed display
- > Directly connectable to the computer via RS-232 cable for remote control
- > Equipped with digital input/output ports and foot pedal port for various applications
- > Suitable for stirring in reaction systems or stirring applications linked to other equipment
- > Rotation speed can be lowered to 20 rpm for very sensitive stirring processes



Specifications

Model	WB2000-M	WB2000-C
Order No.	100300	100500
Speed range [rpm]	40~2000	40~2000
Setting accuracy speed [rpm]	1	1
Deviation of speed measurement n > 300rpm	±3 %	±3 %
Speed Display	LED display	LCD display
Clockwise or counterclockwise of stirring	No	Yes
Speed setting	Turning knob	Push button
Stirring quantity max [L / H ₂ O]	50	50
Input power [W]	70	70
Output power [W]	50	50
Motor principle	Brushless DC motor	Brushless DC motor
Torque max. at stirring shaft [N-cm]	66	70
Stirring element fastening	Keyless chuck, easy to install and replace the shaft.	
Chuck range diameter [mm]	0.5~10	0.5~10
Hollow shaft, inner diameter [mm]	10.2	10.2
Fastening on stand	Extension arm	Extension arm
IP code	IP42 IP40	IP42 IP40
Extension arm diameter [mm]	13	13
Extension arm length [mm]	124	124
Housing material	Cast aluminum coated	
RS232 interface	No	Yes
Dimensions (W x H x D)	105 x160 x185	105 x160 x185
Weight [kg]	11	11
Power supply	100~240VAC,50/60Hz	100~240VAC,50/60Hz