

## Remotely Controllable Ultra High Torque / High Speed Stirrers

- Suitable for reaction systems and other high torque / high speed applications
- Set speed can be maintained when viscosity of liquid changes
- Brushless DC motor made in Germany, for high performance stirring processes
- Maintenance-free
- Quiet and reliable
- Digitally adjustable rotation speed and direction
- Remote controller can display actual speed and actual torque as well as the set speed
- Digital (RS-232/485) and analog communication available for remote PC or PLC control

### Specifications

Model	WB1800-C
Control Type	TFT Display for Speed and Torque and On-Touch Control
Speed Range (rpm)	20-800
Speed Accuracy(rpm)	±1
Maximum Viscosity (cps)	150000
Maximum Torque (N-cm)	1320
Rated Torque (N-cm)	188
Maximum Capacity (L) H <sub>2</sub> O	50
Power (W)	150
Dimensions (W × L × H in mm)	216×65×65
Motor Weight (Kg)	2.3
Order No.	100601



## Accessories for Overhead Stirrers

### Magnetic Drives

Magnetic drives are designed for agitating a fully vacuumed flask.

Multi-functional easy to replace impeller.

- Use of rare-earth elements which is Neodymium (Nd), Samarium (Sm-Co) magnet.
- High-speed rpm, vibration free.
- Specifically designed with permanent magnets which has a dynamic torque rating.
- Small size and powerful rotating magnetic drive is useful both for laboratory and manufacturing applications.



### Specifications

Model	MD-24	MD-29	MD-45	MD-15	MD-25
Ground Joint	24/40	29/42	34/45	Thread #15	Thread #25
Body / Housing	SUS316L / CR-PLATE				
Bushing / Seal	PTFE/Viton				
Vacuum	1 × 10 <sup>-4</sup> mmHg				
Pressure	5 bar				
Temp	Max. 70	(without cooling), Max. 300		(with cooling)	
Shaft Size (Ø, mm)	8 mm				
Cooling in / out Size (Ø, mm)	3.2 mm				
Dimension (Ø × L, mm)	50 × 200mm				
Weight (kg)	1.02	1.04	1.08	1.00	1.02
Order No.	511001	511002	511003	511004	511005

### PTFE Stirrer Shafts

Universal Stirrer Guides for use with standard taper ground glass joints can be used with PTFE Shaft Stirrers and glass and metal shaft stirrers.

Unique features of the design are a permanently loaded Composite PTFE/PEEK Seal and a Glass Ball-Bearing for rigidity and smoothness of operation.

- Exceptional chemical resistance
- Anti-whip and reduced vibration
- Vacuum (5mmHg) and pressure (3-5psi) performance
- No shedding
- Maximum recommended speeds;continuous 500rpm, intermittent 800rpm



Order No.	ShaftØ(mm)	'A' Core	Height(mm) excl.joint	GuideØ(mm)
5.101.1.7	6	19/22	96	45
5.102.7	6	24/40	96	45
5.104.7	8	24/40	96	45
5.105.7	10	24/40	96	45
5.106.7	10	29/42	96	45
5.108.7	12	29/42	110	55