

# Magnetic Stirrer



## MFD800 / MFD810

Max. Speed Range 50 ~ 1600 rpm

### Strong magnetic stirrer for chemical synthesis experiments



#### Operation and functions

- Simple operation
- Variable and convenient rotation functions
- Corrosion and chemical resistant ceramic coating stirring plate
- Strong magnetic force allows continuous stirring even when flask is removed
- Stirrer detachment detection function
- Recommended to work together with oil bath BOG and BOS Series

#### Specifications

Model	MFD800	MFD810
Plate material	Aluminum die casting	
Plate dimensions	Ø135 diameter	
Speed range	50 to 1600 rpm (set in 10 rpm increments)	
Operating temperature range	4°C to 40°C (set in 1°C increments)	
Motor	DC brushless motor (31W)	
Magnet	Neodymium magnet	
Display	White LED digital display	
Exterior parts material	Aluminum die cast (ceramic coating)	
Rotation mode	Constant speed, step out detection, intermittent, auto reverse, slow-up	
Safety functions	Overcurrent fuse	
Standard load capacity	30 kg or less	
External dimensions WxDxH	165 × 275 × 90 mm	
Power supply (50/60 Hz)	115V 0.25A	230V 0.15A
Weight	2.8 kg	
Included accessories	1 heat plate, 1 protective cover, 2 screw caps, 1 power cord, 1 spare fuse (internal circuit, service outlet)	

#### MFD combination

MFD800 + BOG oil bath



MFD800 + BOG oil bath + LM200 flask mixer



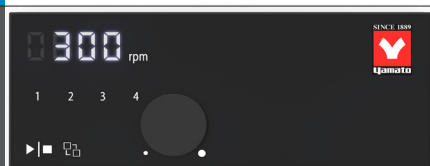
BOG Oil Bath



BOS Oil Bath



#### Control Panel



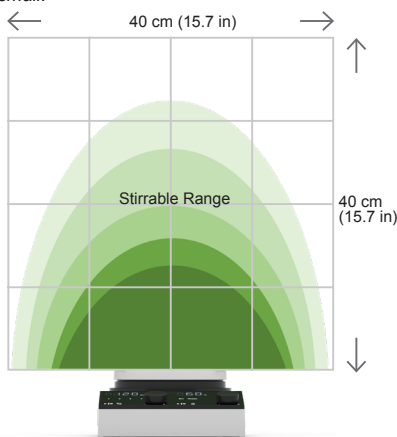
##### Rotation Mode Display

When mode number LED is off, unit rotates at a constant speed.

- No. 1: Step out detection
- No. 2: Intermittent
- No. 3: Auto reverse
- No. 4: Slow-up

#### Magnetic Force

Strong magnetic force allows stirring to continue even when flask is removed from the stirring table. Range that can be stirred varies depending on the shape of the stirrer and the viscosity of the sample, but the figure shows an image of the range that can be stirred when the load is small.



#### BOG/BOS Series Bath



These oil baths fit perfectly with MFD800/810 as plate can be inserted at the bottom of the oil bath preventing risk of moving or slipping due to vibration.

#### Optional items

Product code	Model	Description
281395	OA154	Protective cover
281394	OA153	External temperature sensor
281381	OA143	Pole set
281384	OA146	Container fall prevention frame
281385	OA147	Stage for lab jacks
281587	OA183	Power cord (round terminal 2m)
281382	OA144	Aluminum block handle
281383	OA145	Dual-handed aluminum block handle