

## Impellers



**Axial Turbine**

Axial flow from top to bottom for stirring in round vessels



**Pitched Fan**

Radial flow from top to bottom for medium to high speed. For aeratin of low viscosity media



**Saw Cutter**

Radial flow from top to bottom for medium to high speed with high shearing force



**4 Cross Blade**

Axial flow from top to bottom for medium to high speed



**Teflon Pestle**

For homogeniser

## Magnetic Stirrer



**MS 800 Plus**

Ultra - flat compact magnetic stirrer, guaranteed with modern magnet coil technology. Wear - free with no moving parts. To ensure better mixing, the lab disc can reverse direction of rotation automatically every 30 seconds

- No moving parts - truly maintenance free
- Low aspect ratio (just 12 mm thick)
- Software driven gradual acceleration
- Adjustable speed (15 to 1500 RPM) with digital display
- Microprocessor controlled with last run memory feature
- Stirring cap. 800 ml - set up place of 100 mm
- Pulse mode - reverses the direction every 30 secs for proper mixing
- Universal power supply - small wall mount adaptor
- IP 65 compliant design (Water spill resistant)

- Corrosion resistant SS top surface to fight harsh chemicals
- Recommended Stir bar length 25 mm
- Supplied with 1 (one) high strength stir bar

Technical Data	
Specifications	MS-800 Plus
Max RPM	1500 RPM
Speed Setting	15 to 1500 RPM (at every 50 RPM)
Set - up plate material	Stainless Steel
Speed indicator	Yes
Permissible ambient temperature [°C]	5 - 40
Permissible relative humidity [%]	80
Load capacity (Water)	800 ml
Recommended Stir bar length	25 mm
Pulse function	Yes
Sync Mode	No
Last run memory	Yes
Dimensions (W X D X H)	120 x 164 x 12 mm
Weight	400 gm
Protection Class	IP 65 compliant design (Water spill resistant)

Supply: 220-240 Volts, 50 Hz Single Phase.



1-MLH



1-ML



1-RML

## Magnetic Stirrers

“ML” series of Magnetic Stirrers with stainless steel top housing are most compact models. Permanent Magnet DC (PMDC) motor gives high torque even at lower speeds and maintains speed stability despite viscosity or volume changes. Different models available for all types of laboratory stirring applications up to 10 liters. Accurate stepless speed control with digital display allows smooth variation up to 1200 rpm.

“MLH” series Magnetic Stirrers with hot plate are similar to the ML series of magnetic stirrers but have additional stainless steel hot plate. Heat energy is controlled by energy regulator.

## Rotamantles

These are specially designed to meet laboratory requirement of convenient stirring in flask with simultaneous uniform heating by heating mantles. These have two tier constructions with the upper

compartment consisting of heating element. Accurate stepless speed control allows smooth variation up to 1200 rpm. Heating energy is controlled by energy regulator.

### Salient Features :

- PMDC motor for higher torque even at low speeds
- Better speed regulation even with small volume & low speeds
- Accurate stepless speed control maintains excellent speed stability
- Digital Speed Indicator for display of stirring speed
- Totally enclosed unit
- Designed for use even in corrosive atmosphere

Technical Data					
Models	Stirring Capacity	Heating Capacity	External Dimensions	Stirring Paddle (PTFE Coated)	
	Ltrs.	Watts	(WxDxH) mm	Model	Ø x length
Stirrers without Hotplate					
MS-500	500 ml	-	105 x 135 x 70	Q-18A	7 x 15mm
Stirrers without Hotplate (with Digital Speed Indicator)					
1-ML	1	-	180 x 200 x 160	Q-19	9 x 25mm
2-ML	2	-	180 x 200 x 160	Q-19A	9 x 35mm
5-ML	5	-	180 x 220 x 150	Q-20A	13 x 50mm
Stirrers with Hotplate (with Digital Speed Indicator)					
1-MLH	1	150	175 x 230 x 175	Q-19	9 x 25mm
2-MLH	2	300	175 x 230 x 175	Q-19A	9 x 35 mm
5-MLH	5	500	180 x 230 x 180	Q-20A	13 x 50 mm
Rotamantles					
1-RML	1	300	210 x 210 x 205	Q-19	9 X 25 mm
2-RML	2	400	260 x 260 x 240	Q-19A	9 X 35 mm
3-RML	3	500	300 x 300 x 260	Q-20A	13 x 50 mm

Supply: 220-240 Volts 50 Hz Single Phase.

**NEW**

**3 ML Plus**
**NEW**

**6 ML Plus**

**20 ML Plus**

Remi presents the next generation of magnetic stirrers with new stir technology.

## Salient Features :

- Different models for stirring up to 20 ltrs
- Speeds range 150 - 1500 rpm
- Easy to read backlit LCD for display of set & actual parameters
- Monitoring of set & actual speed
- Advanced Stirrers with microprocessor technology.
- Constant speed even with change of load/ Voltage
- Maintenance free brushless motor
- Scratch proof & excellent chemical resistance
- Last parameter recall, ideal for repetitive processes
- Ceramic coating on top plate for improved corrosion resistance (3 ML Plus & 6 ML Plus)
- Countdown timer

## Technical Data

Model	3-ML PLUS	6-ML PLUS	20-ML Plus
Power (W)	50	50	50
Max, stirring quantity (Water) (Liters)	3	6	20
Stirring Paddle (PTFE coated)	Q-19A (9 X 35mm)	Q-20A (13 x 50 mm)	Q-20A (13 X 50mm)
Speed range (rpm)	150-1800	150-1500	150-1500
Speed / Temperature display	LCD		
Speed display resolution (rpm)	1		
Top Plate Material	Aluminium Alloy	Aluminium Alloy	Stainless Steel
Coating on Top Plate	Ceramic	Ceramic	-
Dimension of Top Plate (mm)	Φ 154	157 x 157	300 x 350
Timer	00:01 to 99:59 (Hr:Min) and Continue Mode		
Dimensions (W x D x H) (mm)	169 x 290 x 105	169 x 290 x 105	300 x 350 x 100
Protection class acc. To DIN En60529	IP 21	IP 21	-

Supply: 220-240 Volts, 50 Hz Single Phase.

# Magnetic Stirrers With Hot Plate



3 MLH Plus



6 MLH Plus



10 MLH Plus

Remi presents the next generation of magnetic stirrers with new stir technology and hot plates to use in temperature up to 550°C.

## Salient Features :

- Speed range 150 - 1500 rpm
- Stainless steel Hot Plate model for temperatures up to 340°C (5 MLH Plus)
- Ceramic Hot Plate model for temperatures up to 550°C (10 MLH Plus)
- Ceramic coated on top plate models for improved corrosion resistance (3 MLH Plus & 6 MLH Plus)
- Easy to read backlit LCD for display of set & actual parameters
- Monitoring of set & actual temperature / speed
- High accuracy of temperature control with embedded dual sensors
- Advance Stirrers with microprocessor technology.
- Constant speed even with change of load/ Voltage
- Maintenance free brushless motor
- Scratch proof & excellent chemical resistance
- External temperature probe (PT-1000) for fluid temperature
- Last parameter recall, ideal for repetitive processes
- Unique safety temperature control system
- Settable safe temperature limit to avoid overheating
- Residual Temperature warning when unit is switched off for operator safety
- Countdown timer

## Optional Accesory :

Ext . probe - PT-1000 sensor complete with suitable stand

## Technical Data

Model	3-MLH PLUS	5-MLH PLUS	6-MLH PLUS	10-MLH PLUS
Max, stirring quantity (Water) (Liters)	3	5	6	10
Stirring Paddle (PTFE coated)	Q-19A (9 X 35mm)	Q-19A (9 x 35 mm)	Q-20A (13 x 50 mm)	Q-20A (13 x 50 mm)
Speed range (rpm)	150-1800	150-1500	150-1500	150-1500
Speed / Temperature display	LCD			
Speed display resolution (rpm)	1			
Top Plate Material	Aluminium Alloy	Stainless Steel	Aluminium Alloy	Ceramic Glass
Coating on Top Plate	Ceramic	-	Ceramic	-
Dimension of Top Plate (mm)	Φ 154	Φ 154	157 x 157	184 x 184
Timer	00:01 to 99:59 (Hr:Min) and Continue Mode			
Heating power (W)	450	500	600	1000
Temperature Range	50 - 300°C	upto 340 °C	50-350°C	upto 550°C
Residual Heating Warning Alarm	Above 50 °C			
Control accuracy of temperature	±1°C (with external PT-1000 sensor)			
Dimensions (W x D x H) (mm)	169 x 290 x 105	210 x 340 x 115	169 x 290 x 105	360 x 215 x 112
Protection class acc. To DIN En60529	IP 21			

Supply: 220-240 Volts, 50 Hz Single Phase.