



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 (WxDxH) mm	Stirring Paddle (PTFE Coated)	
	Ltrs.	Watts		Model	Ø x length
<b>Stirrers without Hotplate</b>					
MS-500	500 ml	-	105 x 135 x 70	Q-18A	7 x 15mm
<b>Stirrers without Hotplate (with Digital Speed Indicator)</b>					
1-ML	1	-	150 x 220 x 150	Q-19	9 x 25mm
2-ML	2	-	150 x 220 x 150	Q-19A	9 x 35mm
5-ML	5	-	180 x 220 x 150	Q-20A	13 x 50mm
<b>Stirrers with Hotplate (with Digital Speed Indicator)</b>					
1-MLH	1	150	200 x 225 x 185	Q-19	9 x 25mm
2-MLH	2	300	200 x 225 x 185	Q-19A	9 x 35 mm
5-MLH	5	500	200 x 225 x 185	Q-20A	13 x 50 mm
<b>Rotamantles</b>					
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.



10 MLH Plus



5 MLH Plus

REMI presents the next generation of magnetic stirrers with new stir technology. These are available in both hotplate & without hotplate versions.

## Salient Features :

- Speeds range 150 - 1500 rpm
- Stainless Steel Hot Plate model for temperatures up to 340°C
- Ceramic Hot Plate model for temperatures up to 550°C (10 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
- Advanced 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 control of 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

Technical Data			
Model	5-MLH Plus	10-MLH Plus	20-ML Plus
Power [W]	550	1050	50
Max. stirring quantity (Water)(Liters)	5	10	20
Stirring Paddle (PTFE coated)	Q-19A (9 X 35mm)	Q-20A (13 X 50mm)	Q-20A (13 X 50mm)
Motor rating input [W]	18	18	18
Motor rating output [W]	10	10	10
Speed range [rpm]	150-1500	150-1500	150-1500
Speed / Temperature display	LCD	LCD	LCD
Speed display resolution [rpm]	1	1	1
Top Plate Material	Stainless Steel	Ceramic Glass	Stainless Steel
Dimension of Top Plate [mm]	Φ157	184 x 184	300 x 350
Heating power [W]	500	1000	-
Temperature Range	Upto 340°C	Upto 550°C	-
Control accuracy of heating temperature	1°C	1°C	-
Residual Heating Warning Alarm	Above 50°C	Above 50°C	-
Control accuracy of heating temperature with PT-1000	0.2°C	0.2°C	-
External Temperature sensor	PT-1000	PT-1000	-
Dimensions (WxDxH) (mm)	342 x 210 x 115	360 x 215 x 112	300 x 350 x 100
Protection class acc. to DIN EN60529	-	IP 21	-

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

## Magnetic Stirrer

### Salient Features :

- Large LCD screen
- Microprocessor controller
- Stepless speed regulation
- Aluminum alloy working plate
- Over-temp alarm system, auto switch off when 380°C
- Caution indication light: auto switch on when working plate temperature is over 50°C



15-MLH Plus

### Technical Specifications

Model	15-MLH Plus
Stirring capacity (H <sub>2</sub> O) (Liters)	15
Speed range(rpm)	200 - 1800
Heating power (Max. W)	750W
Input power (Max. W)	800W
Working plate temp range (°C)	RT+5~380°C
Stirring Paddle (PTFE coated)	Q-20A (13 x 50mm)
Plate dimension (mm)	180X180
Exterior dimension (W x D x H) (mm)	210X330X130
Weight (KG)	4.5

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