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Medical-Biological Research & Technologies

MSH-300, Magnetic Stirrer with hot plate

Basic Plus Product Class

DESCRIPTION

MSH-300 is magnetic stirrer of the new generation. Enclosures of stirrers are made of metal painted with powder enamel chemically resistant to acids and alkali. The stirrers are equipped with a detachable stand for supporting various sensor elements (temperature, pH and others) inside the stirred liquid.

The stirrers are supplied with a cylinder-shape magnetic stirring bar (6 × 25 mm) for universal use covered with Teflon.

Units are equipped with the overheat protection providing an automatic switch-off of the device when overheating for the set temperature difference occurs.

Magnetic stirrers with heating can be used for laboratory operations such as organic synthesis, extraction, analysis of oil products, pH-measurements, dialysis, soil suspending, preparing buffer solutions, etc.

Additional protection disables the heating, if the temperature of plate exceeds the set temperature for 30°C.

Operation temperature range +4°C to +40°C (from cold rooms to incubators) at maximal relative humidity 80%.



SPECIFICATIONS

Speed control range	250-1250 RPM
Max. stirring volume (water)	15 litres
Plate temperature regulation range	+30°C...+330°C
Temperature uniformity on the plate	±3°C
Working plate heating time till 330°C	15 min
Maximum continuous operation time	168 h
Diameter of working plate	160 mm
Working surface material	Aluminium alloy
SR-1, attachable stand size	Ø 8 × 320 mm
Length of magnetic stirring element	10–50 mm
Max. stirring liquid viscosity	up to 1170 mPa.s
Fault indication	Outputs sound signal and turns off the heating
Overall dimensions (W×D×H)	190x270x100 mm
Weight	2.9 kg
Power consumption (Stirring)	8.5 W
Power consumption (Heating)	550 W
Nominal operating voltage	230 V; 50/60 Hz or 120 V; 50/60 Hz

CAT. NUMBER

BS-010302-OAA	230VAC 50/60Hz Euro plug
BS-010302-OAB	230VAC 50/60Hz UK plug
BS-010302-OA3	230VAC 50/60Hz AU plug
BS-010302-OAC	100VAC 50/60Hz US plug, 120VAC 60Hz US plug
BS-010302-BK	IQ OQ document
BS-010302-CK	PQ document

ACCESSORIES



HTP-1
BS-010309-FK
holder

HTP-1, holder for temperature probe