

Heated Magnetic Stirrer, IDL

Magnetic stirrer with heater

With a highly resistant, ceramic coated heating plate for exceptional chemical resistance, especially against acids and alkalis. The robust aluminium die cast housing is ideal for daily laboratory use.

Heavy-duty, electronically controlled motor can be used for both short and long-term tests.

Technical data

External (W × D × H):	205 × 260 × 110 mm
Stirring and heating plate:	190 × 190 mm (stainless steel with ceramic coating)
Stirring capacity:	max. 10 liters
Temperature range:	5°C over RT to 420°C
Heating power:	500 W
Speed range:	60 to 1500 min ⁻¹
Power supply:	230 V, 50/60 Hz

Article	Order No.
Magnetic stirrer	51 00 01003



Magnetic stirrer with heater

IDL - magnetic stirring unit with heating type MSH-A

Newly developed magnetic stirring unit with very fast and even heat distribution on the heating plate and excellent control of the stirring speed.

A heating distribution with only 3% deviation from the set temperature is achieved on the complete heating plate area!

The newly developed control of the stirring drive offers high linearity and stability of the set stirring speed.

The new construction of the aluminum dry-casting housing ensures safe standing and low heat absorption. The heat remains where it is needed: on the heating area.

The ceramics surface of the heating plate is very chemical-resistant and provides a good heat transition. The maximum heating surface temperature is 380°C.

IDL - magnetic stirring unit with heating and JOG-SHUTTLE multi-function rotary switch type MSH-D

In addition to the MSH-A magnetic stirring unit, the MSH-D has an easy-to-operate digital fuzzy control system with patented „JOG-SHUTTLE“ rotary switch to digitally set and read revolutions, temperature, switch-off delay and locking mode.

When using the included Pt-100 temperature sensor, the set temperature is held exactly by means of the contact thermometer function.

The temperature is set digitally and can be adjusted from 25 to 380°C in steps of 0.5°. Via the **switch-off delay**, the time can be set until which the device automatically switches of the heating and the stirring operation!

In the **locking mode**, all functions of the JOG-SHUTTLE rotary button can be deactivated. This prevents an unintentional change of the set operating temperature.

By means of the memory function, the revolutions and the temperature can be set for a certain period of time by means of the JOG-SHUTTLE rotary button!

The MSH-D includes tripod pole, mount for tripod pole, mount for temperature sensor and Pt-100 temperature sensor!

Technical data for MSH-A and MSH-D

Dimensions of the heating plate:	180 × 180 mm
Stirring capacity:	max. 20 litres
Temperature (max.):	380°C
Revolutions range:	80 to 1500 rpm
Heating performance:	600 Watt
Heating plate:	with ceramics coating / chemical and acid-resistant
Housing dimensions (L × W × H):	307 × 205 × 100 mm
Power supply:	230 V, 50/60 Hz

Article	Order No.
Magnetic stirrer MSH-A with analogue control buttons and heating	10 00 01004
Magnetic stirrer MSH-D with JOG-SHUTTLE multi-function button and digital display as well as Pt-100 temperature sensor	10 00 01005

