# MicroMagMix

## Digital Magnetic Stirrer with Heating



Digital magnetic stirrer with heating, controlled by microprocessor.



- Appropriate for all kind of laboratories, thanks to its robustness and its ergonomic and modern design.

- Speed and temperature controlled by microprocessor, by means of an integrated Pt100 sensor.

- ARA V2 fuzzy logic algorithm for high precision temperature control, to be used with external sensor, without surpassing reference temperature (even at 30º C).

- Constant speed independently that the conditions of the sample vary.

- Smooth and progressive start to maintain the magnetic coupling, independently of the selected speed.

- Digital display LCD backlighted indicating the selected and actual speed and temperature.

- Indicator on the display of high temperature on the plate, that provides protection against burns.

- Membrane push-button control.

- Automatic restart after unexpected shut down, keeping the same parameters as before the incident. An incident sign appears on the display.

- Removable plate, to replace it in case of deterioration.

- Packaging: 36x26x18cm

**Magnetic Stirrers**

Technical Specifications:

| Model | MCG05E | MCG15E |
|---|---|---|
| **Reference** | 10000-00092 | 10000-00093 |
| *Magnetic Stirring* | | |
| **Max. Volume (L)** | 5 | 15 |
| **Power (W)** | 5 | 12 |
| **Speed Range (rpm)** | 100-1250 | 200-1500 |
| **Resolution (rpm)** | 25 | |
| *Heating* | | |
| **Heating power (W)** | 500 | |
| **Temperature Range (ºC)** | 20-300 | |
| **Resolution (ºC)** | 0,5 | |
| **Accuracy (ªC)** | +/- 1 | |
| **Max. Viscosity (cSt)** | 10 | 40 |
| **Connection to extern Tª sensor** | Pt100 | |
| *General Data* | | |
| **Plate Material** | Polished Aluminium | Stainless Steel AISI 304 |
| **Plate Diameter (mm)** | 154 | |
| **Dimensions (mm)** | 210x260x130 | |
| **Weight** | 4 | 4,2 |
| **Protection IP** | IP52 | |



| **Available Kits** | | Reference |
|---|---|---|
| *Kit MCG05E* | **Includes** MicroMagMix, extern Pt100 sensor, support rod and fastening clamp | 10000-00098 |
| *Kit MCG15E* | | 10000-00099 |

| **Accessories** | Referencia |
|---|---|
| ***External Pt100 Sensor***<br>Allows temperature control inside the preparation | 20000-00034 |
| ***Support Rod***<br>Includes 2 fastening wing nuts to fix it. 450 mm. | 20000-00036 |
| ***Fastening clamp for Pt100*** | 20000-00073 |
| ***Caja surtida 18 imanes*** | 20000-00026 |
| ***Set of 18 assorted magnets\* (pack 5)***<br>\*for other sizes, ask | 20000-00008 |
| ***Kjeldhal adapter 250cc***<br>(only for MCG15E) | 20000-00032 |
| ***Kjeldhal adapter 500cc***<br>(only for MCG15E) | 20000-00033 |
| ***Protection ring stainless steel*** | 20000-00028 |

Suministros Grupo Esper, S.L.
Subject to technical changes.     For more information, visit: **www.ovan.es**

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