

MAGD5 PRODUCT PAGE

MAGNETIC STIRRERS

SHAKERS & MIXERS OVERVIEW

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MAGD5

Hotplate Magnetic Stirrer | Stainless Steel Ø175 mm | RT–250 °C

The **MAGD5** is a digital magnetic stirrer with a round **stainless steel hotplate Ø175 mm** for heating and stirring laboratory liquids in one vessel. A **brushless DC motor** drives the stirring bar at **0–1500 rpm** and stirs up to **10 L (water)**, while an **800 W** heater takes the plate from **room temperature to 250 °C** with **±1 °C** accuracy. The digital display shows **speed**, **temperature and time**, and the timer runs from **1 to 250 min**.

MAGD5

PRO7311

Stainless steel Ø175 mm

RT–250 °C

0–1500 rpm

10 L (H₂O)

Brushless DC motor

Timer 1–250 min

Typical applications: preparation of buffers, reagents and culture media, dissolution with gentle heating, routine mixing in analytical and QC laboratories, sample conditioning, and general heating and stirring in research and teaching laboratories.

Document type: Technical Specification Sheet

Product family: Magnetic stirrers — Shakers & Mixers

Model / product code: MAGD5 | PRO7311

Format: A4 landscape | COLO.Science TechSpec v1.1



TEMPERATURE

RT–250 °C

SPEED

0–1500 rpm

CONTACT

sales@colo.si

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Heating and stirring on a stainless steel plate Ø175 mm

Product overview

Stirring

- Speed **0–1500 rpm**, digitally set and displayed.
- Maximum stirring volume **10 L** (water reference).
- **Brushless DC motor**, motor output **15 W** — quiet and maintenance-free drive.
- **Timer 1–250 min** for defined running times.

Heating and temperature

- Temperature range **room temperature to 250 °C**.
- Heating output **800 W** for fast heat-up of larger volumes.
- Temperature accuracy **±1 °C**.
- Heating and stirring controlled **independently**.

Stainless steel hotplate and build

- Round hotplate **Ø175 mm**, **stainless steel** working surface.
- Durable, easy to wipe clean.
- Power supply **AC 220 V ±10 %**, 50/60 Hz.
- Dimensions **330 × 190 × 130 mm**; gross weight **7 kg**.

Display and safety

- **Digital display** of speed, temperature and time.
- Independent reading and setting of **stirring speed and temperature**.
- **Residual heat warning** after heating is switched off.
- **Overheating safety lock**.

What the MAGD5 is for

A hotplate magnetic stirrer is chosen when a liquid has to be heated and mixed at the same time, in the same vessel. The MAGD5 combines a **stainless steel hotplate Ø175 mm** with a **brushless DC drive**, so it handles volumes up to **10 L** — more than typical compact stirrers — and heats them up to **250 °C** with an **800 W** heater. Speed, temperature and time are shown on the digital display and set independently, and the timer ends a step after a defined time. With heating switched off, the MAGD5 works as a plain magnetic stirrer.

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Stainless steel Ø175 mm, RT–250 °C, 0–1500 rpm, 10 L

Model identification

Model	COLO product code	Product group
MAGD5	PRO7311	Shakers & Mixers — magnetic stirrers

Technical specifications

Stirring and temperature

Parameter	Value
Working mode	Heating and stirring, digital control
Max. stirring volume	10 L (H ₂ O)
Speed range	0–1500 rpm
Motor type / output	Brushless DC motor / 15 W
Timer	1–250 min
Temperature range	Room temperature to 250 °C
Temperature accuracy	±1 °C
Heating output	800 W
Digital display	Speed, temperature, time

Hotplate, power and dimensions

Parameter	Value
Hotplate size	Ø175 mm
Hotplate material	Stainless steel
Control	Digital, independent setting of speed and temperature
Safety	Residual heat warning; overheating safety lock
Power supply	AC 220 V ±10 %, 50/60 Hz
Dimensions (W × D × H)	330 × 190 × 130 mm
Package size (W × D × H)	430 × 330 × 230 mm
Gross weight	7 kg

Delivery and options

Item	Description	Supply	Item	Description	Supply
MAGD5 hotplate magnetic stirrer	Stainless steel plate Ø175 mm, digital display, timer	Included	PTFE magnetic stirring bars	Size matched to the vessel and volume	On request

Before ordering: confirm the vessel and the volume to be stirred, the target temperature and the required running time, and whether stirring bars should be supplied. The delivered configuration and accessories are confirmed in the COLO.Science quotation. The product photo is illustrative.

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MANUFACTURER AND SUPPORT

COLO Lab Experts

Polje ob Sotli 4, SI-3255, Slovenia

Selection guidance: send the vessel and the volume to be stirred, the target temperature and the required running time. COLO.Science will propose the matching magnetic stirrer and stirring bars.

QUICK CONTACT

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Phone: +386 70 713 437

Model: MAGD5 · PRO7311

COLO.SCIENCE | MAGD5 SUPPORT

Larger volume, larger plate: when to choose the MAGD5

Choose the MAGD5 when the vessel base needs a plate of Ø175 mm or when up to 10 L has to be stirred. Place the vessel in the centre of the plate and match the stirring bar to the vessel; start at low speed and increase it gradually so the bar does not decouple. After heating, respect the residual heat warning before touching the plate or changing the vessel. For temperatures above 250 °C, choose a stirrer with a ceramic hotplate.

MAIN SHAKERS & MIXERS NAVIGATION

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MAGD5 Technical Specification (PDF)

Magnetic Stirrers

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Official configuration notice: This document is provided for orientation and model selection. It does not replace the binding specification, delivered configuration, validation protocol or acceptance criteria confirmed in the official COLO.Science quotation, proforma invoice, order confirmation or manufacturer-approved technical offer. Confirm the model, accessories and certification requirement for the specific order. Specifications may change without notice.