

AREC Ceramic Digital Heating Magnetic Stirrer

Innovative Stirring and Heating Solution with Ceramic Top

- Fast heating, high temperatures (up to 550 °C) and high resistance
- Powerful magnet for powerful stirring (up to 1500 rpm)
- Microprocessor technology for maximum control accuracy
- New design, advanced materials for enhanced performance
- “Hot plate” digital warning system



The AREC is a **digital heating magnetic stirrer** with a **white ceramic hot plate**, that ensures **excellent resistance** to chemicals and scratches, is **extremely easy to clean** and is suitable for observing color changes (e.g. during titration, etc.).

AREC is the first hot plate stirrer with an entire technopolymer structure, extremely innovative and ideal for **premium resistance to acids, bases and solvents**.

The AREC can reach temperatures of up to **550 °C**, is able to stir volumes of up to **15 L (H₂O)** and can reach a maximum speed of **1500 rpm**, thanks to the powerful motor.

The AREC is **designed to last** and equipped to ensure **maximum protection** against leakages with the elevated front panel and dedicated run-off groove. The control panel is separated from the hot plate, this feature increases the **safety** rating during use and the **durability** of the instrument.

The inclination of the front panel has been carefully studied to **facilitate use**.

A microprocessor ensures constant speed even when the viscosity changes (**counter-reaction**).

Microprocessor technology ensures **fast heating** and provides **precise speed and temperature control**, as the digital display constantly shows set temperature.

The AREC has an **ergonomic and innovative design** with a clear and **bright digital display**.

The electronic control board activates a high temperature warning **“Hot Plate Indicator”** that remains even when the instrument is turned off, until the temperature of the plate has cooled to below 50 °C.

Metal vessels can be used.

Features and Benefits

The AREC Digital Heating Magnetic Stirrer is a compact unit with low profile and tested to **ensure high resistance to chemicals and mechanical agents**.

The white ceramic top-plate ensures **premium performance**, including short heating-up time (from room temperature to 550 °C in just few minutes) and the highest resistance to alkali/acid corrosion, chemical attacks, scratches and easy maintenance.

Microprocessor-controlled feed-back technology provides **precise temperature and speed control** by assuring consistent performance. The built-in electronic system keeps the stirring speed constant, even when the viscosity of the liquid changes (**counter- reaction**). The powerful magnet allows a constant control of the stirring bar and prevents its decoupling at every speed (1500 rpm max.).

The **innovative design** with **separated control panel** ensures excellent safety, whilst the bright red digital display shows **repeatable and accurate temperature** settings.

Safety features include a **“Hot Plate” digital warning system** which is constantly displayed during operations when the temperature is above 50 °C and flashes when the unit is switched-off until the temperature is cooled to below 50 °C.

Technical Data	Description
Construction material:	technopolymer structure
Heating plate:	ceramic material
Dimensions of the heating plate:	180 x 180 mm (7.9 x 7.9 in)
Protection rating CEI EN 60529:	IP 42
Display:	set temperature reading
Electronic speed regulation:	up to 1500 rpm
Electronic temperature control:	from room temperature to 550 °C
Fixed safety temperature:	600 °C
Stirring volume (H ₂ O):	up to 15 liters
Counter-reaction:	technology to assure a constant speed even if sample viscosity changes
Stirring system:	high-power driving magnet operated by a mono-phase motor for continuous operation
Power Supply:	230V/ 50-60Hz or 115V/60Hz
Power:	800 W
Weight:	3.3 kg (7.3 lb)
Dimensions (W x H x D) :	203x94x344 mm (8.0x3.7x13.5 in)
Ordering Information	Description
F20500011	AREC Heating magnetic stirrer (230V / 50-60 Hz)
F20510011	AREC Heating magnetic stirrer (115V / 60 Hz)
A00001056	Magnetic stirring bar, 6 x 35 mm
A00001061	Magnetic stirring bar, 9,5 x 60 mm
A00001060	Magnetic stirring bar, 10 x 40 mm
A00001071	Hemispheric bowl for 250 ml flasks
A00001072	Hemispheric bowl for 550 ml flasks
A00001073	Hemispheric bowl for 1000 ml flasks
A00001069	Support Rod

Your authorized agent:

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