

# Datasheet

This product datasheet has been provided by  
John Godrich in Partnership with VELP



# AREC.X

## 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
- Can be connected to VTF digital thermoregulator or external probe (PT 100)



The AREC.X 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.).

The AREC.X can reach temperatures of up to **550 °C**, is able to stir volumes of up to **15 L (H<sub>2</sub>O)** and can reach a maximum speed of **1500 rpm**, thanks to the powerful motor.

AREC.X 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.X ensures **maximum protection** against leakages with the elevated front panel and dedicated run-off groove.

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.X has an **ergonomic and innovative design** with a clear and **bright digital display**. In order to have a precise thermoregulation of the liquid, **AREC.X can be connected to [VTF Vertex digital thermoregulator](#)** or to a temperature control probe.

VTF offers maximum performance for a **perfect and precise thermoregulation** up to 350 °C (± 0.5 °C) with an **integrated timer**, whilst the external probe measures up to 250 °C (± 1.0 °C).

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.X 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 <sub>2</sub> 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
Code No	
F20500061	AREC.X Heating magnetic stirrer (230V / 50-60 Hz)
F20510061	AREC.X Heating magnetic stirrer (115V / 60 Hz)
A00000004	Clamp for PT100 probe
A00000227	External probe for AREC.X
F208B0063	VTF Digital thermoregulator Fuzzy logic
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:

We reserve the right to make technical alternations  
We do not assume liability for errors in printing, typing or transmission



VELP Scientifica srl  
via Stazione 16  
20040 Usmate (Milano) Italy  
Tel +39 039 628811  
Fax +39 039 6288120  
inse@velp.it  
www.velp.com

# Datasheet

This product datasheet has been provided by  
John Godrich in Partnership with VELP

