

AREC 10 series magnetic stirrer with hot plate

up to 1500 rpm - up to 25 liters

Precise Temperature Control for Maximum Reproducibility

The **AREC 10 Digital** features a spacious **10-inch square ceramic plate**, ideal for a variety of laboratory tasks. Designed for **temperature-sensitive applications**, the **ceramic plate** reaches a **maximum temperature of 550°C**.

Connect the AREC 10 Digital to external Pt100 or Pt1000 probes and the VTF Digital thermoregulator for superior temperature control.

When working with Pt100 and Pt1000 probes it is possible to achieve **precise heating of the medium** up to 350°C with an impressive $\pm 1.0^{\circ}\text{C}$ accuracy. Alternatively, use the VTF Digital for a maximum medium thermoregulation of 300°C and an exceptional $\pm 0.5^{\circ}\text{C}$ accuracy.

Explore the MODELS section for a detailed comparison of available configurations and choose the **AREC 10 Digital** that best suits your laboratory needs.

Brushless Motor for Consistent Stirring Performance The **AREC 10 Digital hotplate stirrer** is driven by a **powerful brushless motor**, designed to run quietly and efficiently, thus minimizing disruptions in the laboratory setting.

This **state-of-the-art motor technology** ensures **consistent and reliable stirring performance** across diverse applications, such as chemical reactions and sample preparation.

Additionally, the VELP-engineered **SpeedServo™ torque compensation technology** ensures constant speed even when the viscosity of the medium changes.

With a stirring capacity of **up to 25 liters (H₂O)**, the **AREC 10 Digital** is capable of accommodating large-scale experiments with ease, making it an ideal choice for demanding laboratory environments.

Superior Resistance & Safety for a Large Surface Hotplate Stirrer The **AREC 10 Digital** goes beyond performance, prioritizing safety during everyday use. Built-in safeguards include **safety circuits**, **over-temperature protection**, and a clear **"hot" warning message** when the plate exceeds 50°C while inactive. Operate with confidence, knowing you and your lab are protected.

The **robust housing** and the **resistant 10-inch square ceramic plate** offer **exceptional chemical resistance** and are easy to clean with a simple wipe-down. This combination ensures long-lasting product quality, making the **AREC 10 Digital** ideal for laboratories requiring a **large surface** for demanding applications.

Engineered for **maximum lifespan** and backed by a **3-year warranty**, the **AREC 10 Digital** is a reliable solution. Focus on research, confident that this **hotplate stirrer** can handle the most challenging tasks.

User-friendly Interface for Effortless Monitoring













The **AREC 10 Digital**'s exceptionally bright digital display delivers clear and accurate data readings, ensuring precise control over your experiments.

The carefully designed interface provides an **optimized user experience**. Effortlessly adjust the temperature (**up to 550°C**) and stirring speed (**100 to 1500 rpm**) with the intuitive knobs.



Simply turn and push – you'll be ready to start your application in seconds.

Accessories on request

			
A00001069 Asta di supporto	A00001073 Calotta sferica per palloni 1000ml	A00000258 Calotta sferica per palloni 100ml	A00001071 Calotta sferica per palloni 250ml
			
A00001072 Calotta sferica per palloni 500ml	A00000273 Calotta sferica per palloni 50ml	A00000382 Extension for support rod	A00000280 Probe clamp
			
A00000268 Pt100 probe in AISI 316 Ti Ø3 mm	A00000349 Pt100 glass temperature probe Ø5 mm	A00000458 Pt1000 probe in AISI 316 Ti Ø3 mm	V1208063 Thermoreg. digital timer VTF probe PT100

Technical data

User interface	Digital
Housing material	Aluminum body Technopolymer enclosure
Plate material:	Ceramic
Plate dimension	260x260 mm 10x10 in
Stirring volume	25 L
Stirring speed range	100 - 1500 rpm
Speed control	Digital
Motor	Brushless
Torque compensation	SpeedServo™
Temperature range	Room Temp. - 550 °C
Heating control	Digital
Temperature Setting Resolution	1 °C
External temperature sensor connection	Pt100 Pt1000 VTF
Thermoregulation range	Room Temp. - 350 °C

Thermoregulation Accuracy	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt1000)
Hot plate warning system	On Display (when the temperature is above 50 °C)
Power input	230 V / 50-60 Hz: 1530 W 115 V / 60 Hz: 1520 W 100 V / 50-60 Hz: 1320 W
Weight	5.6 kg 12.34 lb
Dimensions (WxHxD):	280x100x420 mm 11.02x3.93x16.53 in

Code	Description	Digital Version	PT 100 probe	Rod support	VTF
V1525691	AREC 10 DIGITAL heating magnetic stirrer	yes	-	-	-
V1525791	AREC 10 DIGITAL heating magnetic stirrer with PT 100 probe	yes	yes	-	-
V1525891	AREC 10 DIGITAL heating magnetic stirrer with PT 100 probe, support rod and forceps	yes	yes	yes	-
V1525991	AREC 10 DIGITAL heating magnetic stirrer with VTF, support rod and tongs	yes	yes	yes	yes