



# AREC 10 Digital

## Heating Magnetic Stirrer

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Ceramic Hotplate Stirrer with a large surface for Temperature-Sensitive and Demanding Applications



# AREC 10 Digital

The AREC 10 Digital offers precise temperature control, advanced stirring and heating performance, improved safety features, and ease of use. The 10-inch square ceramic plate is highly resistant and ideal for laboratories requiring a spacious working surface.

## PRECISE THERMOREGULATION

- Advanced heating plate technology ensures temperature homogeneity and stability up to 550°C
- Precise thermoregulation of the medium with Pt100/Pt1000 probe ( $\pm 1^\circ\text{C}$ ) and VTF Digital Thermoregulator ( $\pm 0.5^\circ\text{C}$ ).
- Thermoregulation range from room temperature to 350 °C

## POWERFUL STIRRING

- Brushless motor ensuring power and resistance over time
- Stirs up to 25 L volume (H<sub>2</sub>O) from 100 up to 1500 rpm
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes

## SAFE AND RESISTANT

- The robust 10-inch ceramic top offers exceptional chemical and scratch resistance and it is easy to clean with a simple wipe-down
- A "Hot Surface" warning message is displayed when the temperature exceeds 50°C, even when inactive



## CONFIGURATIONS



AREC 10 Digital



AREC 10 Digital System  
with Probe



AREC 10 Digital System  
with Probe, Rod and Clamp








AREC 10 Digital System  
with VTF and Rod

## OPTIONAL ACCESSORIES

Extension for support rod	A00000382
Support rod	A00001069
Clamp with probe support	A00000280
Hemispheric bowl for 50 ml flasks	A00000273
Hemispheric bowl for 100 ml flasks	A00000258
Hemispheric bowl for 250 ml flasks	A00001071
Hemispheric bowl for 500 ml flasks	A00001072
Hemispheric bowl for 1000 ml flasks	A00001073

## STIRRING BARS

				
A00000355 Magnetic disc stir bar Ø20x10mm	A00001056 Magnetic stir bar Ø6x35mm	A00000356 Magnetic stir bar Ø8x40mm	A00000387 Magnetic stir bar Ø8x50mm	A00001061 Magnetic stir bar Ø10x60mm

## EXTERNAL TEMPERATURE SENSORS

Temperature probes and thermoregulator ensuring precise medium temperature control for accurate and reproducible results.

				
A00000280 Clamp for the probe	A00000458 Pt1000 Probe AISI 316 Ti Ø 3 mm	A00000268 Pt100 Probe AISI 316 Ti Ø 3 mm	A00000349 Pt 100 Probe glass-coated Ø 5 mm	F208B0063 VTF Digital Thermoregulator



## CONFIGURATIONS CODES



AREC 10 Digital		
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz 100 V / 50-60 Hz	F20500691 F20510691 F20580691
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	SA20500691 SA20510691
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	SC20500691 SC20510691
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	SB20500691 SB20510691

# TECHNICAL DATA

USER INTERFACE	Digital
HOUSING MATERIAL	Aluminum body - Technopolymer enclosure
PLATE MATERIAL	Ceramic
PLATE DIMENSION	260x260 mm; 10x10 in
STIRRING VOLUME (H <sub>2</sub> O)	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	± 1 °C (Pt100; Pt1000) ± 0.5 °C (VTF)
HOT TOP WARNING SYSTEM	On Display (when the temperature is above 50 °C)
POWER INPUT	1530 W (230 V / 50-60 Hz) 1520 W (115 V / 60 Hz) 1320 W (100 V / 50-60 Hz)
PERMISSIBLE AMBIENT TEMPERATURE	5 - 40 °C
WEIGHT	5,6 kg 12,4 lb
DIMENSIONS (WxHxD)	280x100x420 mm 11.02x3.93x16.53 in



## SERVICE & SUPPORT

VELP Scientifica products are designed by our engineers to resist years of laboratory use.

Our products are manufactured with premium materials to guarantee the best performance with maximum safety.

According to our experience, a proper and regular maintenance is necessary to ensure the highest performance of analytical instrument. VELP Service Department and VELP Official Partners are always ready to offer you maintenance and service support tailored to your needs.

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- Technical Assistance
- Analytical Support



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