



AREC 4 Series

Heating Magnetic Stirrer

Compact Ceramic Hotplate Stirrers for efficient heating and stirring,
from basic applications to precise thermoregulation



AREC 4 Digital

The AREC 4 Digital offers precise temperature control, advanced stirring and heating performance, improved safety features, and ease of use. The compact footprint makes it an indispensable solution for labs with limited bench space.

PRECISE THERMOREGULATION

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

POWERFUL STIRRING

- Brushless motor ensuring power and resistance over time
- Stirs up to 5 L volume (H₂O) from 100 up to 1500 rpm
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes

SAFE AND RESISTANT

- The robust 4-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 4 Digital



AREC 4 Digital System
with Probe



AREC 4 Digital System
with Probe, Rod and Clamp



AREC 4 Digital System
with VTF and Rod

AREC 4

The AREC 4 is the entry-level ceramic hotplate stirrer designed to meet the demands of everyday laboratory applications.

POWERFUL STIRRING

- Brushless motor ensuring power and resistance over time
- Stirs up to 5 L volume (H₂O) from 100 up to 1500 rpm
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes

SAFE AND RELIABLE

- Advanced heating technology guarantees efficient heating performance
- The robust 4-inch ceramic top offers exceptional chemical and scratch resistance and it is easy to clean with a simple wipe-down
- A warning icon is displayed when the temperature exceeds 50°C, even when inactive



AREC 4

CONFIGURATION



CONFIGURATIONS CODES

| | | AREC 4 Digital | AREC 4 |
|-----------------------------------|-----------------------------------|--------------------------|------------------------|
| STIRRER ONLY | 230 V / 50-60 Hz 115 V / 60 Hz | F20500671 F20510671 | F20500670 F20510670 |
| WITH PT100 TEMPERATURE PROBE | 230 V / 50-60 Hz 115 V / 60 Hz | SA20500671 SA20510671 | - - |
| WITH PT100, SUPPORT ROD AND CLAMP | 230 V / 50-60 Hz 115 V / 60 Hz | SC20500671 SC20510671 | - - |
| WITH VTF AND SUPPORT ROD | 230 V / 50-60 Hz 115 V / 60 Hz | SB20500671 SB20510671 | - - |

TECHNICAL DATA

| | AREC 4 Digital | AREC 4 |
|--|---|--|
| USER INTERFACE | Digital | Analog |
| HOUSING MATERIAL | Aluminum body Technopolymer enclosure | Aluminum body Technopolymer enclosure |
| PLATE MATERIAL | Ceramic | Ceramic |
| PLATE DIMENSION | 100x100 mm 4x4 in | 100x100 mm 4x4 in |
| STIRRING VOLUME (H ₂ O) | 5 L | 5 L |
| STIRRING SPEED RANGE | 100 - 1500 rpm | 100 - 1500 rpm |
| SPEED CONTROL | Digital | Analog |
| MOTOR | Brushless | Brushless |
| TORQUE COMPENSATION | SpeedServo™ | SpeedServo™ |
| TEMPERATURE RANGE | Room temp. - 550 °C | Room temp. - 550 °C |
| HEATING CONTROL | Digital | Analog |
| 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) | Illuminated Icons (when the temperature is above 50 °C) |
| POWER INPUT | 280 W | 280 W |
| PERMISSIBLE AMBIENT TEMPERATURE | 5 - 40 °C | 5 - 40 °C |
| WEIGHT | 1,9 kg 4,2 lb | 1,9 kg 4,2 lb |
| DIMENSIONS (WxHxD) | 160x100x270 mm 6,3x3,9x10,6 in | 160x100x270 mm 6,3x3,9x10,6 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.

GET THE SUPPORT YOU NEED CHOOSING THE OPTIONS:

- Help-desk and Remote support
- Technical Assistance
- Analytical Support



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VELP Official Partner



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