AREC 7 Series

Heating Magnetic Stirrers

Ceramic Hotplate Stirrers with 7 inch surface, designed for efficient heating and stirring, from basic applications to precise thermoregulation

DOMINIQUE DUTSCHER SAS



AREC 7 Digital

The AREC 7 Digital offers precise temperature control, advanced stirring and heating performance, improved safety features, and ease of use. The 7-inch square ceramic plate is highly resistant and ideal for everyday applications.



PRECISE THERMOREGULATION

- Advanced heating plate technology ensures temperature homogeneity and stability up to 550°C.
- Precise thermoregulation of the medium with Pt100/Pt1000 probe (± 1 °C) and VTF Digital Thermoregulator (± 0.5 °C).
- Thermoregulation ranges from room temperature to 350 °C with external Pt100 and Pt1000 probes.

POWERFUL STIRRING

- Brushless motor ensuring power and resistance over time
- Stirs up to 15 L volume (H_2O) from 100 up to 1500 rpm
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes

SAFE AND RESISTANT

- The robust 7-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

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CONFIGURATIONS



AREC 7 Digital



AREC 7 Digital System with Probe



AREC 7 Digital System with Probe, Rod and Clamp



AREC 7 Digital System with VTF and Rod

AREC 7

The AREC 7 is a powerful analog hotplate stirrer, ensuring excellent performance, high safety, and maximum reliability, for everyday laboratory applications.

POWERFUL HEATING AND STIRRING

- Advanced heating technology ensures temperature homogeneity and stability from room temperature up to 550 °C.
- Powerful brushless ensuring power and resistance over time
- Stirs up to 15 L volume (H_2O) from 100 up to 1500 rpm
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes

SAFE AND RESISTANT

- The robust 7-inch ceramic top offers exceptional chemical and scratch resistance and it is easy to clean with a simple wipe-down
- A warning icon illuminates when the plate temperature exceeds 50°C and the heating function is inactive





AREC 7

CONFIGURATION

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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

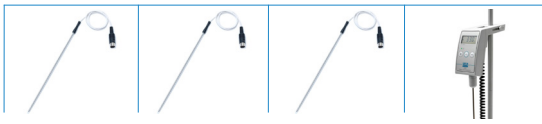
A00000356
Magnetic stir bar Ø8x40mm

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.



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



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CONFIGURATIONS CODES

		AREC 7 Digital	AREC 7
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz 100 V / 50-60 Hz	**F20500681** **F20510681** **F20580681**	**F20500680** **F20510680** **F20580680**
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	**SA20500681** **SA20510681**	- -
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	**SC20500681** **SC20510681**	- -
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	**SB20500681** **SB20510681**	- -

TECHNICAL DATA

	AREC 7 Digital	AREC 7
USER INTERFACE	Digital	Analog
HOUSING MATERIAL	Aluminium body – Technopolymer enclosure	Aluminium body – Technopolymer enclosure
PLATE MATERIAL	Ceramic	Ceramic
PLATE DIMENSION	180x180 mm 7x7 in	180x180 mm 7x7 in
STIRRING VOLUME (H_2O)	15 L	15 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 (Pt100) Room temp. - 300°C (VTF)	-
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	800 W	800 W
PERMISSIBLE AMBIENT TEMPERATURE	5 - 40 °C	5 - 40 °C
WEIGHT	3.5 kg 7.7 lb	3.5 kg 7.7 lb
DIMENSIONS (WxHxD)	200x100x340 mm 7,87 x 3,94 x 13,39 in	200x100x340 mm 7,87 x 3,94 x 13,39 in

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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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- Help-desk and Remote support
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- Analytical Support

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VELP Official Partner

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Rev 5.02.2025