

# AREC 7

The AREC 7 is the safe and reliable hot plate stirrer with ceramic top guaranteeing excellent heat transfer and stirring performance for basic laboratory applications.

## EXCELLENT PERFORMANCE

- Cutting-edge heating plate technology that ensures temperature homogeneity and stability from room temperature up to 550 °C.
- Bright and easy-to-read digital display showing actual and setpoint temperature.
- Powerful motor stirring up to 15 L volume (H<sub>2</sub>O) from 50 up to 1500 rpm.

## SAFE AND RESISTANT

- The high-quality ceramic top and technopolymer structure ensure premium resistance to chemicals.
- Hot Surface Safety message displayed when the temperature is above 50 °C.
- Run-off groove to protect the electronics.



AREC 7

CONFIGURATION



# HSC 7

The HSC 7 is the safe and powerful analog hot plate stirrer for applications that do not require accurate temperature control of the medium. The ideal solution for academia, chemistry, biology and pharma laboratories in schools and universities.

## ENTRY LEVEL SOLUTION

- Cutting-edge heating plate technology that ensures temperature homogeneity from room temperature up to 400 °C.
- Powerful motor stirring up to 15 L volume (H<sub>2</sub>O) from 50 up to 1300 rpm.
- Stirring and heating indicators.

## SAFE AND RESISTANT

- The high-quality ceramic top and technopolymer structure ensure premium resistance to chemicals.
- Run-off groove to protect the electronics.



HSC 7






CONFIGURATION



## OPTIONAL ACCESSORIES





Extension for support rod	A00000382
Support rod	A00001069
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
IQ/OQ AREC 7 Connect Manual	A00000421
VELP Ermes 1 Year Connection	E00010012
VELP Ermes 3 Year Connection	E00010036

## STIRRING BARS

				
<b>A00000355</b> Magnetic disc stir bar Ø20x10mm	<b>A00001056</b> Magnetic stir bar Ø6x35mm	<b>A00000356</b> Magnetic stir bar Ø8x40mm	<b>A00000387</b> Magnetic stir bar Ø8x50mm	<b>A00001061</b> Magnetic stir bar Ø10x60mm

## EXTERNAL TEMPERATURE SENSORS

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

			
<b>A00000280</b> Clamp for the probe	<b>A00000268</b> Temperature Probe AISI 316 Ti Ø3mm	<b>A00000349</b> Temperature Probe glass-coated Ø5mm	<b>F208B0063</b> VTF Digital Thermoregulator



## CONFIGURATIONS CODES

		AREC 7 Connect	AREC.X 7	AREC 7	HSC 7
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz	- -	F20500554 F20510554	F20500551 F20510551	F20500552 F20510552
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	SA20500550 SA20510550	SA20500554 SA20510554	- -	- -
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	SB20500550 SB20510550	SB20500554 SB20510554	- -	- -
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	- -	SC20500554 SC20510554	- -	- -

# TECHNICAL DATA

	AREC 7 Connect	AREC.X 7	AREC 7	HSC 7
HOUSING MATERIAL	Technopolymer	Technopolymer	Technopolymer	Technopolymer
PLATE MATERIAL	Ceramic	Ceramic	Ceramic	Ceramic
PLATE DIMENSION	180x180 mm 7x7 in	180x180 mm 7x7 in	180x180 mm 7x7 in	180x180 mm 7x7 in
STIRRING VOLUME (H <sub>2</sub> O)	20 L	15 L	15 L	15 L
STIRRING SPEED RANGE	30 - 1700 rpm	50 - 1500 rpm	50 - 1500 rpm	50 - 1300 rpm
SPEED CONTROL	Digital	Analog	Analog	Analog
SPEED SETTING RESOLUTION	5 rpm	-	-	-
MOTOR	Brushless	Monophase PCM	Monophase PCM	Monophase PCM
TORQUE COMPENSATION	SpeedServo™	Electronic regulation	Electronic regulation	-
TEMPERATURE RANGE	Room temp. - 550 °C	Room temp. - 550 °C	Room temp. - 550 °C	Room temp. - 400 °C
HEATING CONTROL	Digital	Digital	Digital	Analog
TEMPERATURE SETTING RESOLUTION	1 °C	5 °C	5 °C	-
EXTERNAL TEMPERATURE SENSOR CONNECTION	Pt100	Pt100 VTF	-	-
THERMOREGULATION RANGE	Room temp. - 300 °C	Room temp. - 250 °C	-	-
THERMOREGULATION ACCURACY	± 0.5 °C (Pt100)	± 1 °C (Pt100) ± 0.5 °C (VTF)	-	-
TIMER	Yes (1 min - 99 h 59 min)	-	-	-
AUTOREVERSE	Yes (5 s - 99 min 59 s)	-	-	-
INTERMITTENT MODE	Yes (5 s - 99 min 59 s)	-	-	-
LOCK FUNCTION	Yes	-	-	-
ACOUSTIC SIGNALS	Yes	-	-	-
HOT TOP WARNING SYSTEM	On Display (when the temperature is above 50 °C)	On Display (when the temperature is above 50 °C)	On Display (when the temperature is above 50 °C)	-
POWER INPUT	800 W	800 W	800 W	800 W
PERMISSIBLE AMBIENT TEMPERATURE	5 - 40 °C	5 - 40 °C	5 - 40 °C	5 - 40 °C
WEIGHT	3.3 kg 7.3 lb	3.5 kg 7.7 lb	3.5 kg 7.7 lb	3.2 kg 7 lb
DIMENSIONS (WxHxD)	203x94x344 mm 8.0x3.7x13.5 in	203x94x344 mm 8.0x3.7x13.5 in	203x94x344 mm 8.0x3.7x13.5 in	203x94x344 mm 8.0x3.7x13.5 in
ERMES CONNECTION	Yes, via Wi-Fi	-	-	-



## 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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