



Analytical Instruments  
Raised To Excellence

LABSOLUTIONS

# ARE/AREX-6 Series Hot Plate Stirrers

Superior Performance & Absolute Safety



# AREX-6 Digital & PRO



The AREX-6 Digital versions are the most advanced VELP hot plate stirrers offering supreme performance, superior safety features and ease-of-use. The connection with the external temperature probe Pt100 and digital thermoregulators VTF and VTF EVO ensures top class versatility meeting all temperature accuracy requirements.

## SAFE HEATING CONTROL

Two independent temperature safety circuits switch off the heating in case of overtemperature (different from the set point).

## ADVANCED THERMOREGULATION

Fast, precise and stable temperature control with minimal overshoot. Excellent heat transfer with CerAlTop™ plate. Able to reach a maximum temperature of 370°C.

## POWERFUL MAGNET

The Alnico magnet provides leading magnetic coupling and guarantees superior peripheral stirring. Maximum speed of 1700 rpm, SpeedServo™ torque compensation.

## UNATTENDED OPERATIONS

The built-in timer switches the main function off after the set running time.

## ENHANCED KINETICS

The Auto-Reverse of stirring direction is a key feature for improving mixing effectiveness.

## SMART USER INTERFACE

The new icons and display ensure a clear readout of the working conditions and warning messages such as HOT TOP.



Probe



Heat



Temperature Set Point



Timer



Auto-Reverse



## Configurations



AREX-6 Digital with Probe



AREX-6 Digital with Probe, Rod and Clamp



AREX-6 Digital PRO with VTF and Rod



AREX-6 Digital PRO with VTF EVO, Rod and Wireless DataBox™

# AREX-6

The AREX-6 is the safe and powerful analog hot plate stirrer with CerAlTop™ plate guaranteeing excellent heat transfer and resistance to chemicals. The powerful motor and Alnico magnet stir up to 20 liters at a maximum speed of 1700 rpm.

## UPGRADE TO DIGITAL

For superior performance you can upgrade the AREX-6 by connecting one of the VELP Digital Thermoregulators VTF or VTF EVO:

- Direct temperature control of the sample with 0.5°C accuracy.
- The VTF EVO Wireless allows the operator to control all the temperature parameters directly from the PC.

Safety Heating Switch



AREX-6

AREX-6 With VTF and Rod

AREX-6 With VTF EVO,  
Rod and Wireless DataBox™



Configurations

# ARE-6

The ARE-6 is the safe and powerful analog hot plate stirrer for applications that do not require accurate temperature control of the medium. The ARE-6 incorporates high level features such as the Alnico magnet with top class magnetic coupling and SpeedServo™ torque compensation.

## BASIC HIGH PERFORMANCE SOLUTION

The aluminum alloy top plate offers optimum heat transfer and chemical resistance.

The independent luminous safety switch prevents unintentional heating and indicates when heating is On.

The heating icon illuminates when the plate temperature is above 50°C acting as a HOT TOP warning system.

Safety Heating Switch



ARE-6



Configuration


# IMPROVE YOUR PRODUCTIVITY

## ALUBLOCK™

The new MonoAluBlock™ and MultiAluBlock™ are used to perform numerous reactions reducing time and bench space.

- **MonoAluBlock™** is the ideal solution for multiple vials of the same dimensions.
- **MultiAluBlock™** are combinable segments for different sizes of vials. Mix and match according to need.



											
<b>A00000323</b> MultiAluBlock™ Base	<b>A00000324</b> MultiAluBlock™ 4 pos. Ø28xh.43 mm	<b>A00000325</b> MultiAluBlock™ 4 pos. Ø28xh.30 mm	<b>A00000326</b> MultiAluBlock™ 4 pos. Ø28xh.24 mm	<b>A00000327</b> MultiAluBlock™ 4 pos. Ø21xh.31 mm	<b>A00000328</b> MultiAluBlock™ 8 pos. Ø17xh.26 mm	<b>A00000329</b> MultiAluBlock™ 11 pos. Ø15xh.20 mm	<b>A00000337</b> MultiAluBlock™ 11 pos. Ø12xh.14 mm	<b>A00000340</b> MonoAluBlock™ 17 pos. Ø28xh.43 mm	<b>A00000339</b> MonoAluBlock™ 17 pos. Ø28xh.30 mm	<b>A00000338</b> MonoAluBlock™ 17 pos. Ø28xh.24 mm	<b>A00000341</b> MonoAluBlock™ 40 pos. Ø12xh.14 mm

## HEMISPHERIC BOWLS & PTFE COVERS

The **Hemispheric Bowls** replace oil baths and mantles for clean and safe analysis with round bottom flasks.

VELP Hemispheric Bowls fit the Ø 135mm plate ensuring **fast plate-flask heat transfer.**

**PTFE Safety covers** are designed to minimize thermal dispersion and increase safety.



					
<b>A00000330</b> Hemispheric bowl for 50ml flasks	<b>A00000331</b> Hemispheric bowl for 100 ml flasks	<b>A00000332</b> Hemispheric bowl for 250 ml flasks	<b>A00000333</b> Hemispheric bowl for 500 ml flasks	<b>A00000334</b> Hemispheric bowl for 1000 ml flasks	<b>PTFE Safety cover</b> Available for each size

### PTFE SAFETY COVERS

### CODE No

* PTFE Safety Cover Hemispheric Bowl 50 ml	<b>A00000342</b>
* PTFE Safety Cover Hemispheric Bowl 100 ml	<b>A00000343</b>
* PTFE Safety Cover Hemispheric Bowl 250 ml	<b>A00000344</b>
* PTFE Safety Cover Hemispheric Bowl 500 ml	<b>A00000345</b>
* PTFE Safety Cover Hemispheric Bowl 1000 ml	<b>A00000346</b>

\*not available in USA

## EXTERNAL TEMPERATURE SENSORS

Temperature probes and thermoregulators ensure precise temperature control for accurate and reproducible results.

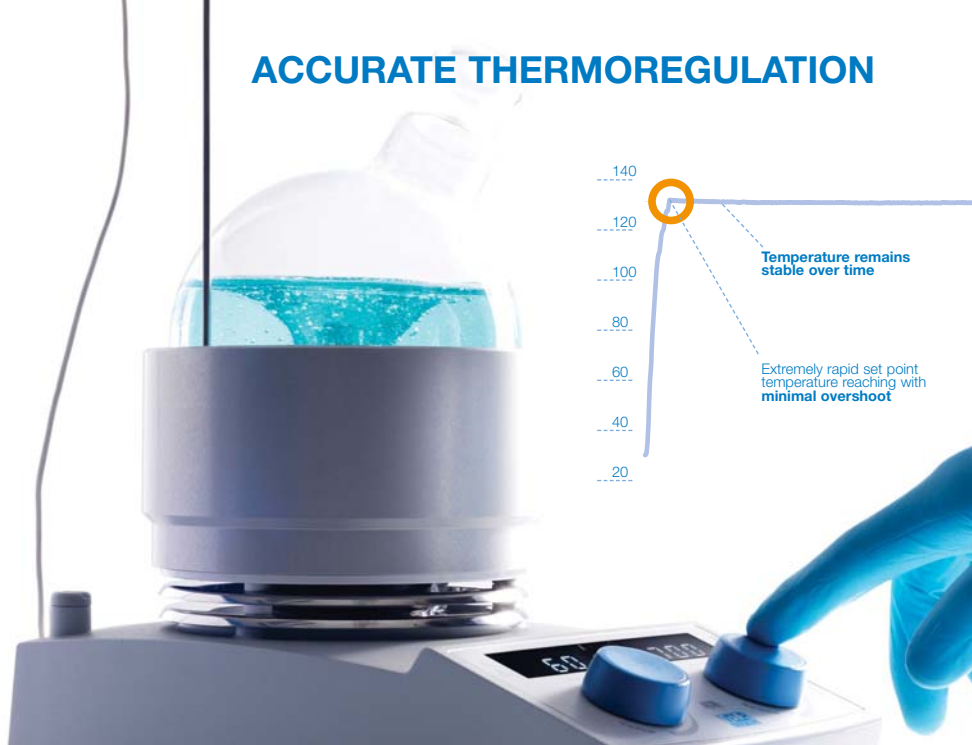
			
<b>A00000268</b> Temperature Probe AISI 316 Ti Ø3mm	<b>A00000349</b> Temperature Probe glass-coated Ø5mm	<b>F208B0063</b> VTF Digital Thermoregulator	<b>SA208B0064</b> VTF EVO Digital Thermoregulator with Wireless DataBox™

## STIRRING BARS & ACCESSORIES

DESCRIPTION	CODE No
Protective cover ARE/AREX-6 series	<b>A00000335</b>
Magnetic stir bar, Ø3x6 mm	<b>A00001062</b>
Magnetic stir bar, Ø4,5x12 mm	<b>A00001063</b>
Magnetic stir bar, Ø6x20 mm	<b>A00001057</b>
Magnetic stir bar, Ø6x35 mm	<b>A00001056</b>
Magnetic stir bar, Ø8x40 mm	<b>A00000356</b>
Magnetic stir bar, Ø10x60 mm	<b>A00001061</b>
Magnetic cross shape stir bar, Ø10x5mm	<b>A00000336</b>
Magnetic cross shape stir bar, Ø20x8 mm	<b>A00000352</b>
Magnetic disc stir bar, Ø10x6 mm	<b>A00000354</b>
Magnetic disc stir bar, Ø20x10 mm	<b>A00000355</b>
Magnetic octagonal stir bar, Ø10x13 mm	<b>A00000357</b>
Support rod	<b>A00001069</b>
Handle for AluBlock™ removal	<b>A00000351</b>
Clamp with probe support	<b>A00000280</b>
VTF EVO Digital Thermoregulator	<b>F208B0064</b>



## ACCURATE THERMOREGULATION



## SPEEDSERVO™



## CERALTOP™



## PROTECTION



## SAFETY



## PRODUCTIVITY



# TECHNICAL DATA

	ARE 6	AREX-6	AREX-6 Digital	AREX-6 Digital PRO
USER INTERFACE	Analog	Analog	Digital	Digital
MOTOR	Brushless	Brushless	Brushless	Brushless
PLATE MATERIAL	Aluminum Alloy	CerAlTop™ (ceramic coated aluminum alloy)	CerAlTop™ (ceramic coated aluminum alloy)	CerAlTop™ (ceramic coated aluminum alloy)
PLATE DIAMETER	135 mm	135 mm	135 mm	135 mm
STIRRING VOLUME (H2O)	Up to 20 L	Up to 20 L	Up to 20 L	Up to 20 L
STIRRING SPEED RANGE	30-1700 rpm	30-1700 rpm	30-1700 rpm	30-1700 rpm
SPEED ACCURACY	-	-	5 rpm	5 rpm
SPEED CONTROL	Analog	Analog	Digital	Digital
TORQUE COMPENSATION	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
TEMPERATURE RANGE	Room temp. - 370 °C	Room temp. - 370 °C	Room temp. - 370 °C	Room temp. - 370 °C
HEAT CONTROL	Analog	Analog	Digital	Digital
HEAT SETTING RESOLUTION	Scale	Scale	1°C	1°C
EXTERNAL DIGITAL THERMOREGULATORS CONNECTION	-	VTF / VTF EVO	-	VTF / VTF EVO (included)
EXTERNAL PROBE CONNECTION	-	-	Pt100 (Included)	Pt100
MEDIUM HEAT CONTROL ACCURACY	-	± 0.5 °C (VTF / VTF EVO)	± 1 °C (Pt 100)	± 0.5 °C (VTF / VTF EVO) ± 1 °C (Pt100)
TIMER	-	-	Yes	Yes
AUTO-REVERSE	-	-	Yes	Yes
PROBE DETECTOR	-	-	Yes	Yes
HOT TOP WARNING SYSTEM	Illuminated Icon	Illuminated Icon	On Display	On Display
ON/OFF SAFETY-HEATING-SWITCH	Yes	Yes	Yes	Yes
PROTECTION CLASS	IP 42	IP 42	IP 42	IP 42
DIMENSIONS (WxHxD)	160x105x280 mm 6.5x4.1x11 in	160x105x280 mm 6.5x4.1x11 in	160x105x280 mm 6.5x4.1x11 in	160x105x280 mm 6.5x4.1x11 in
PERMISSIBLE AMBIENT TEMPERATURE	5-40 °C	5-40 °C	5-40 °C	5-40 °C
POWER INPUT	630 W	630 W	630 W	630 W
WEIGHT	2.6 Kg 5.7 lb	2.6 Kg 5.7 lb	2.6 Kg 5.7 lb	2.6 Kg 5.7 lb

## CONFIGURATIONS CODES

	ARE 6	AREX-6	AREX-6 Digital	AREX-6 Digital PRO
Stirrer Only	230 V / 50-60Hz	F20500462	F20500463	-
	115 V / 60Hz	F20510462	F20510463	-
With Pt100 Temperature Probe	230 V / 50-60Hz	-	-	SA20500461
	115 V / 60Hz	-	-	SA20510461
With Pt100, Support Rod and Clamp	230 V / 50-60Hz	-	-	SB20500461
	115 V / 60Hz	-	-	SB20510461
With VTF and Support Rod	230 V / 50-60Hz	-	SA20500463	-
	115 V / 60Hz	-	SA20510463	-
With VTF EVO Support Rod and Wireless DataBox™	230 V / 50-60Hz	-	SB20500463	-
	115 V / 60Hz	-	SB20510463	-

Authorized Distributor:

### 3 YEARS WARRANTY

Register on-line your ARE/AREX-6 Series Hot Plate Stirrer to get the warranty extension.



Find out more:  
watch our video.

VELP reserves the right to make technical alteration  
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