



**JOINTLAB**<sup>®</sup>  
European Laboratory Equipment

[www.jointlab.com](http://www.jointlab.com)

[www.frigolab.it](http://www.frigolab.it)

Via C. Treves 57, Trezzano sul Naviglio  
Milano, Italy

+39.02.39310823

[info@jointlab.com](mailto:info@jointlab.com)

# ARE/AREX 6 Series

## Heating Magnetic Stirrers

Superior Performance & Absolute Safety



# AREX 6 Connect PRO

The AREX 6 Connect PRO is the first hot plate stirrer with embedded Wi-Fi technology to monitor and control your reactions through VELP Ermes cloud platform.

## ABSOLUTE SAFETY

The safety standards of the AREX 6 Series meet the potential of cloud-based services giving the possibility to control the instrument remotely and interrupt the operations with a click.

## YOUR HOT PLATE STIRRER IN REAL TIME

With the AREX 6 Connect PRO is possible to monitor in real time the reactions and the instrument working conditions from any device (PC, Tablet and Smartphone) and to be informed with immediate notifications (dashboard and email).

## DATA MANAGEMENT

Safely access to your data with different clearance levels, create and share reports with your peers in many different file format.

## GET ALWAYS THE BEST FEATURES

The AREX 6 Connect PRO receives OTA (Over-the-Air) Software updates to get new features and enhancement in order to achieve the maximum lifespan.

## EASY AND SMART

The connection to VELP Ermes Cloud Platform is easy and safe and it takes only few minutes to benefit of the cloud-based potential and the smart user experience of the platform.



## ermes enabled

- Remote control and programming
- Data logging and reporting (.xls, .csv, .pdf, LIMS)
- Real-time access from PC, smartphone and tablet
- Enhanced service support
- Software update

## CONFIGURATIONS

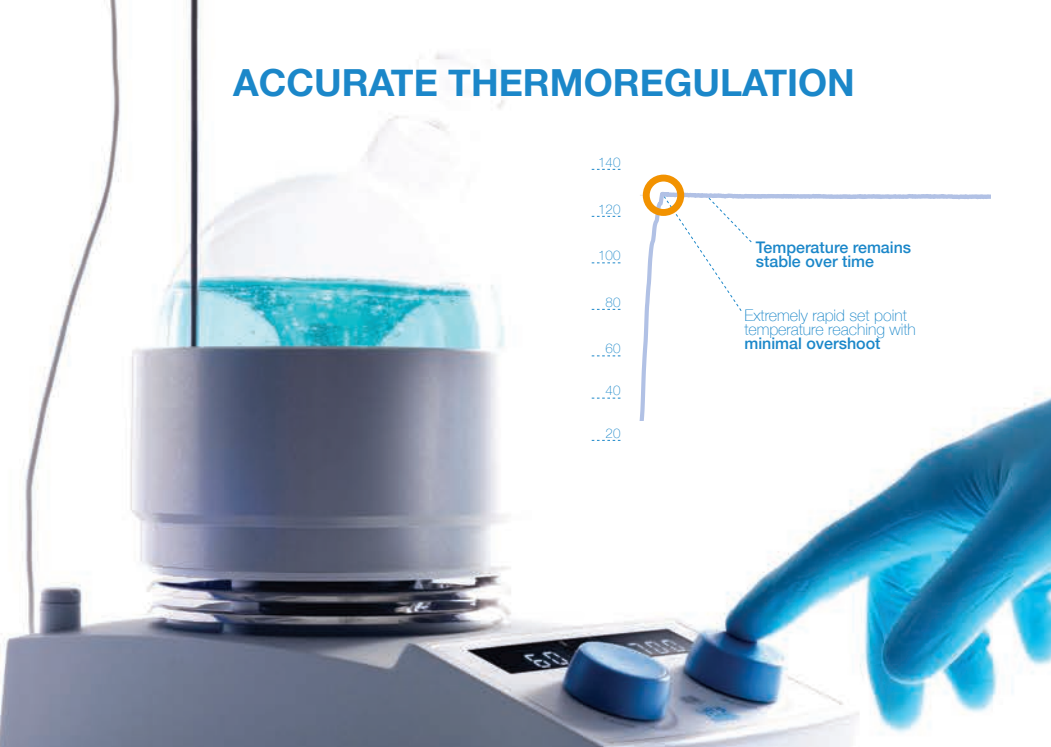


AREX 6 Connect PRO System with Probe



AREX 6 Connect PRO System with Probe, Rod and Clamp

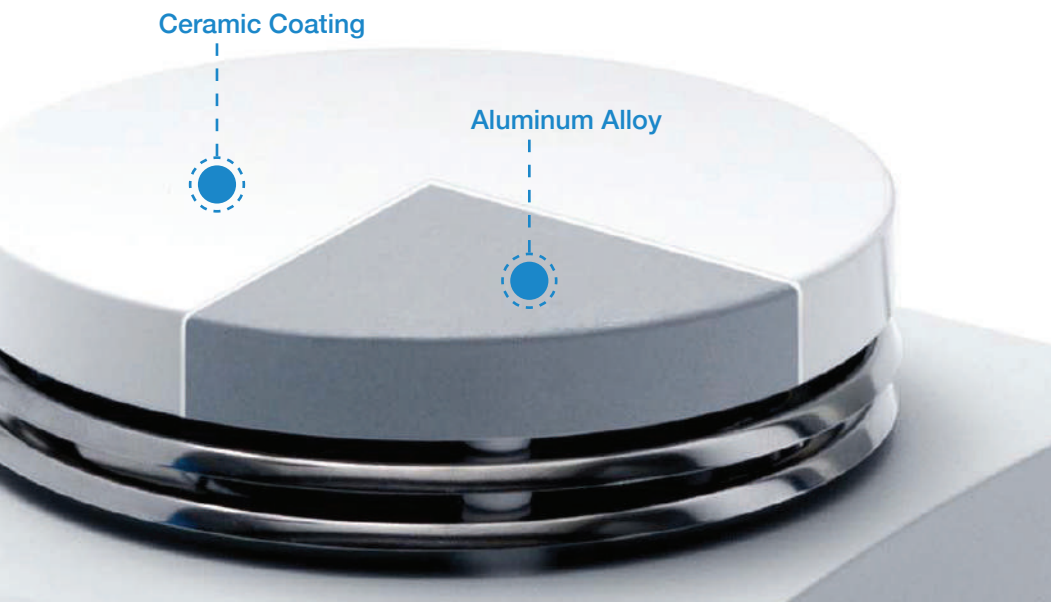
## ACCURATE THERMOREGULATION



## SPEEDSERVO™



## CERALTOP™



## PROTECTION



## SAFETY



## PRODUCTIVITY





# AREX 6 Digital PRO

The AREX 6 Digital PRO is designed for accurate thermoregulation offering state-of-the-art stirring and heating performance, superior safety features and ease-of-use. The connection with the external temperature probe Pt100 and digital thermoregulator VTF 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.

## 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".



Probe



Heat



Temperature Set Point



Timer



Auto-Reverse



## CONFIGURATIONS



AREX 6 Digital PRO System with Probe



AREX 6 Digital PRO System with Probe, Rod and Clamp



AREX 6 Digital PRO System with VTF and Rod

# 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 Thermoregulator VTF:

- Direct temperature control of the sample with 0.5°C accuracy.



AREX 6

AREX 6 System  
With VTF and Rod

## CONFIGURATIONS

### Safety Heating Switch



# 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.



ARE 6

## CONFIGURATIONS

### Safety Heating Switch



# 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.



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

## HEMISPHERIC BOWLS & PTFE COVERS

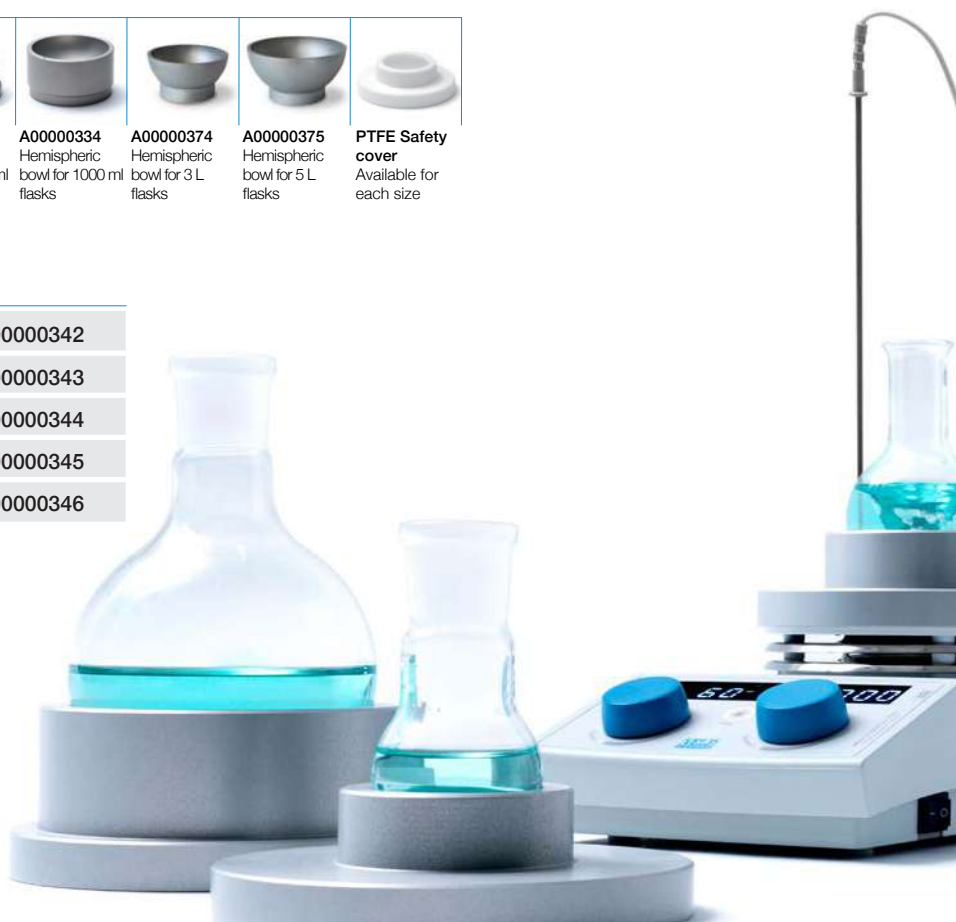
The **Hemispheric Bowls** replace oil baths and mantles for clean and safe analysis with round bottom flasks. VELP Hemispheric Bowls fit the Ø 135mm plate ensuring **fast plate-flask heat transfer**.

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

A00000373 Hemispheric bowl for 25 ml flasks	A00000330 Hemispheric bowl for 50 ml flasks	A00000331 Hemispheric bowl for 100 ml flasks	A00000332 Hemispheric bowl for 250 ml flasks	A00000333 Hemispheric bowl for 500 ml flasks	A00000334 Hemispheric bowl for 1000 ml flasks	A00000374 Hemispheric bowl for 3 L flasks	A00000375 Hemispheric bowl for 5 L flasks	PTFE Safety cover Available for each size

## PTFE SAFETY COVERS












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



## OPTIONAL ACCESSORIES

Protective cover ARE/AREX-6 series	<b>A00000335</b>
Support rod	<b>A00001069</b>
Handle for AluBlock™ removal	<b>A00000351</b>
Clamp with probe support	<b>A00000280</b>
Extension for support rod ARE - AREX	<b>A00000382</b>
VELP Ermes 1 Year Connection	<b>E00010012</b>
VELP Ermes 3 Year Connection	<b>E00010036</b>

## STIRRING BARS & ACCESSORIES

				
<b>A00000336</b> Magnetic cross shape stir bar Ø10x5mm	<b>A00000352</b> Magnetic cross shape stir bar Ø20x8mm	<b>A00000354</b> Magnetic disc stir bar Ø10x6mm	<b>A00000355</b> Magnetic disc stir bar Ø20x10mm	<b>A00000357</b> Magnetic octagonal stir bar Ø10x13mm
				
<b>A00001062</b> Magnetic stir bar Ø3x6mm	<b>A00001063</b> Magnetic stir bar Ø4,5x12mm	<b>A00001057</b> Magnetic stir bar Ø6x20mm	<b>A00001056</b> Magnetic stir bar Ø6x35mm	<b>A00000356</b> Magnetic stir bar Ø8x40mm
				
<b>A00001061</b> Magnetic stir bar Ø10x60mm				

## EXTERNAL TEMPERATURE SENSORS

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



**A00000268**  
Temperature Probe  
AlSi 316 Ti Ø3mm



**A00000349**  
Temperature Probe  
glass-coated Ø5mm



**F208B0063**  
VTF Digital  
Thermoregulator



## CONFIGURATIONS CODES

		AREX 6 Connect PRO	AREX 6 Digital PRO	AREX 6	ARE 6
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz	- -	- -	<b>F20500463</b> <b>F20510463</b>	<b>F20500462</b> <b>F20510462</b>
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	<b>SA20500465</b> <b>SA20510465</b>	<b>SA20500460</b> <b>SA20510460</b>	- -	- -
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	<b>SB20500465</b> <b>SB20510465</b>	<b>SD20500460</b> <b>SD20510460</b>	- -	- -
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	- -	<b>SB20500460</b> <b>SB20510460</b>	<b>SA20500463</b> <b>SA20510463</b>	- -

# TECHNICAL DATA

	AREX 6 Connect PRO	AREX 6 Digital PRO	AREX 6	ARE 6
USER INTERFACE	Digital	Digital	Analog	Analog
PLATE MATERIAL	CerAlTop™ (ceramic coated aluminum alloy)	CerAlTop™ (ceramic coated aluminum alloy)	CerAlTop™ (ceramic coated aluminum alloy)	Aluminum Alloy
PLATE DIAMETER	135 mm	135 mm	135 mm	135 mm
STIRRING VOLUME (H <sub>2</sub> O)	20 L	20 L	20 L	20 L
STIRRING SPEED RANGE	30 - 1700 rpm	30 - 1700 rpm	30 - 1700 rpm	30 - 1700 rpm
SPEED CONTROL	Digital	Digital	Analog	Analog
SPEED SETTING RESOLUTION	5 rpm	5 rpm	-	-
MOTOR	Brushless	Brushless	Brushless	Brushless
TORQUE COMPENSATION	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
PROTECTION CLASS	IP 42	IP 42	IP 42	IP 42
TEMPERATURE RANGE	Room temp. - 370 °C	Room temp. - 370 °C	Room temp. - 370 °C	Room temp. - 370 °C
HEATING CONTROL	Digital	Digital	Analog	Analog
ON/OFF SAFETY-HEATING-SWITCH	Yes	Yes	Yes	Yes
TEMPERATURE SETTING RESOLUTION	1°C	1°C	Scale	Scale
EXTERNAL TEMPERATURE SENSOR CONNECTION	Pt100 VTF	Pt100 VTF	VTF	-
THERMOREGULATION RANGE	Room temp. - 300 °C	Room temp. - 300 °C	-	-
THERMOREGULATION ACCURACY	± 0.5 °C (VTF) ± 1 °C (Pt100)	± 0.5 °C (VTF) ± 1 °C (Pt100)	± 0.5 °C (VTF)	-
TIMER	Yes	Yes	-	-
AUTOREVERSE	Yes	Yes	-	-
INTERMITTENT MODE	Yes	Yes	-	-
LOCK FUNCTION	Yes	Yes	-	-
HOT TOP WARNING SYSTEM	On Display	On Display	Illuminated Icon	Illuminated Icon
POWER INPUT	630 W	630 W	630 W	630 W
PERMISSIBLE AMBIENT TEMPERATURE	5 - 40 °C	5 - 40 °C	5 - 40 °C	5 - 40 °C
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
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
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



We reserve the right to make technical alterations  
We do not assume liability for errors in printing, typing or transmission

VELP Official Partner



DESIGNED AND MANUFACTURED IN ITALY

