VELP SCIENTIFICA®

ARE/AREX-6 Series

Hot Plate 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 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.

Safety Lock

ermes enabled

- Monitor and control your reactions
- Remote start and stop
- Setting of stirring speed and heating temperature
- Timer setting for unattended reactions
- Advance menu setting (i.e. temperature and speed limit)
- Software updates
- Data logging and reporting (.xls, .csv, .pdf, LIMS)
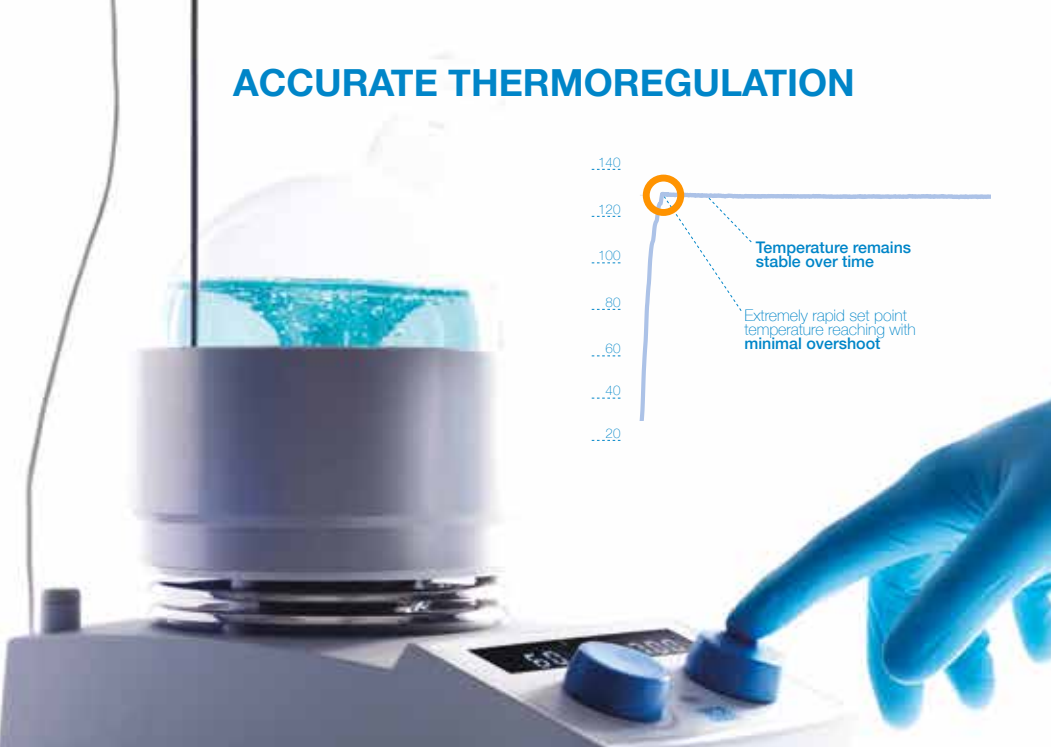
CONFIGURATIONS

AREX-6 Connect PRO System
with Probe

AREX-6 Connect PRO System
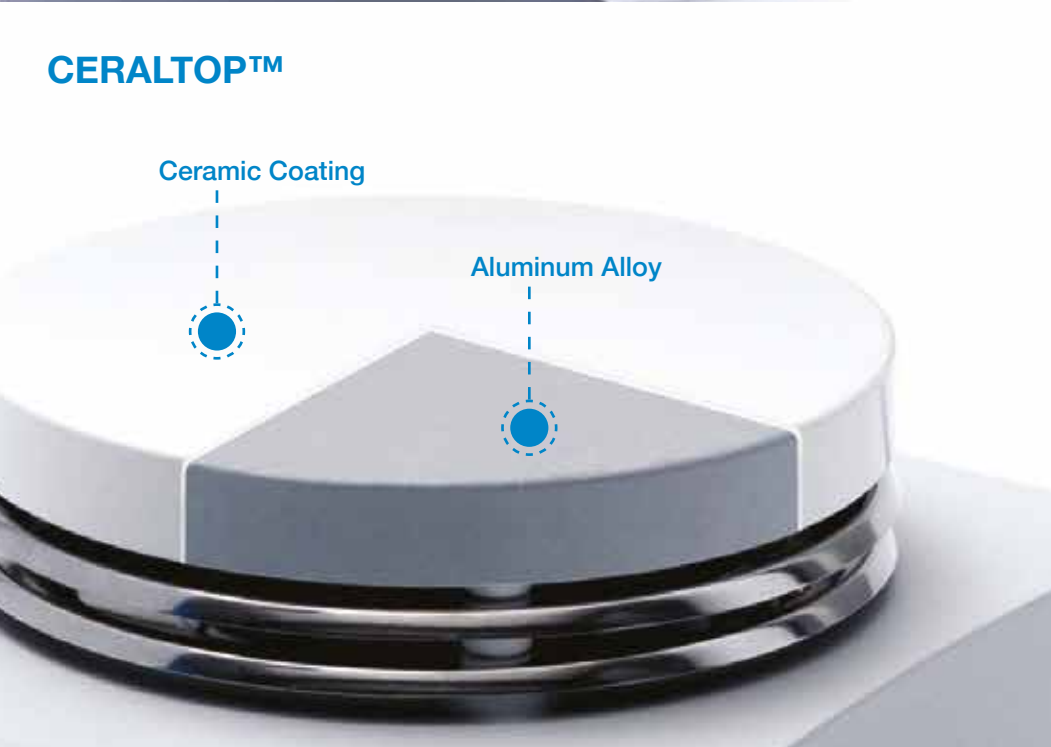with Probe, Rod and Clamp

ACCURATE THERMOREGULATION

140
120
100
80
60
40
20

Temperature remains stable over time

Extremely rapid set point temperature reaching with **minimal overshoot**

SPEEDSERVO™

CERALTOP™

Ceramic Coating

Aluminum Alloy

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 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.

Safety Lock

| 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 Digital PRO System 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 peformance 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 System With VTF and Rod | AREX-6 System 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 | CONFIGURATIONS |

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.

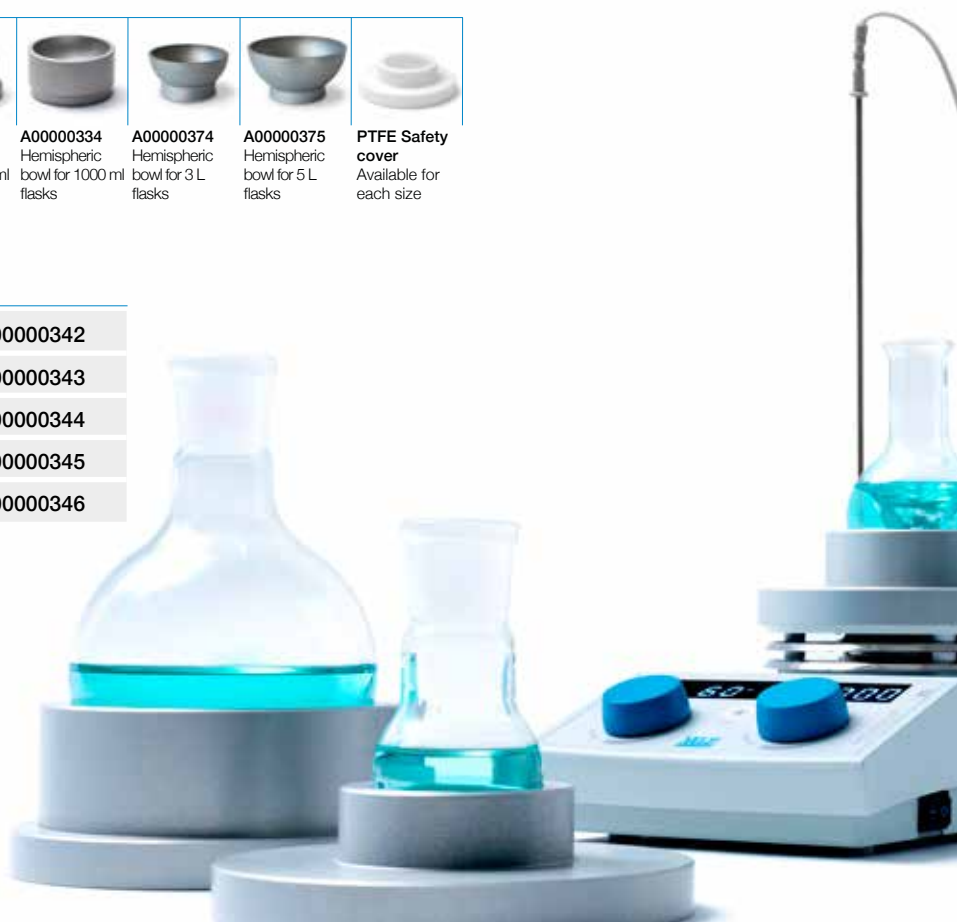| A00000323	A00000324	A00000325	A00000326	A00000327	A00000328	A00000329	A00000337	A00000340	A00000339	A00000338	A00000341
MultiAluBlock™ Base	MultiAluBlock™ 4 pos. Ø28xh.43 mm	MultiAluBlock™ 4 pos. Ø28xh.30 mm	MultiAluBlock™ 4 pos. Ø28xh.24 mm	MultiAluBlock™ 4 pos. Ø21xh.31 mm	MultiAluBlock™ 8 pos. Ø17xh.26 mm	MultiAluBlock™ 11 pos. Ø15xh.20 mm	MultiAluBlock™ 11 pos. Ø12xh.14 mm	MonoAluBlock™ 17 pos. Ø28xh.43 mm	MonoAluBlock™ 17 pos. Ø28xh.30 mm	MonoAluBlock™ 17 pos. Ø28xh.24 mm	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	A00000330	A00000331	A00000332	A00000333	A00000334	A00000374	A00000375	PTFE Safety cover
Hemispheric bowl for 25 ml flasks	Hemispheric bowl for 50 ml flasks	Hemispheric bowl for 100 ml flasks	Hemispheric bowl for 250 ml flasks	Hemispheric bowl for 500 ml flasks	Hemispheric bowl for 1000 ml flasks	Hemispheric bowl for 3 L flasks	Hemispheric bowl for 5 L flasks	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	**A00000335**
Support rod	**A00001069**
Handle for AluBlock™ removal	**A00000351**
Clamp with probe support	**A00000280**
VTF EVO Digital Thermoregulator whitout DataBox™	**F208B0064**
Extension for support rod ARE - AREX	**A00000382**
VELP Ermes 1 Year Connection	**E00010012**
VELP Ermes 3 Year Connection	**E00010036**

STIRRING BARS & ACCESSORIES

A00000336
Magnetic cross shape stir bar Ø10x5mm

A00000352
Magnetic cross shape stir bar Ø20x8mm

A00000354
Magnetic disc stir bar Ø10x6mm

A00000355
Magnetic disc stir bar Ø20x10mm

A00000357
Magnetic octagonal stir bar Ø10x13mm

A00001062
Magnetic stir bar Ø3x6mm

A00001063
Magnetic stir bar Ø4,5x12mm

A00001057
Magnetic stir bar Ø6x20mm

A00001056
Magnetic stir bar Ø6x35mm

A00000356
Magnetic stir bar Ø8x40mm

A00001061
Magnetic stir bar Ø10x60mm

EXTERNAL TEMPERATURE SENSORS

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

A00000268
Temperature Probe AISI 316 Ti Ø3mm

A00000349
Temperature Probe glass-coated Ø5mm

F208B0063
VTF Digital Thermoregulator

SA208B0064
VTF EVO Digital Thermoregulator with Wireless DataBox™

CONFIGURATIONS CODES

		ARE-6	AREX-6	AREX-6 Digital PRO	AREX-6 Connect PRO
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz	**F20500462** **F20510462**	**F20500463** **F20510463**	- -	- -
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	- -	- -	**SA20500460** **SA20510460**	**SA20500465** **SA20510465**
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	- -	- -	**SD20500460** **SD20510460**	**SB20500465** **SB20510465**
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	- -	**SA20500463** **SA20510463**	**SB20500460** **SB20510460**	- -
WITH VTF EVO AND SUPPORT ROD and Wireless DataBox™	230 V / 50-60 Hz 115 V / 60 Hz	- -	**SB20500463** **SB20510463**	**SC20500460** **SC20510460**	- -

TECHNICAL DATA

	ARE-6	AREX-6	AREX-6 Digital PRO	AREX-6 Connect 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	VTF / VTF EVO
EXTERNAL PROBE CONNECTION	-	-	Pt100	Pt100
MEDIUM HEAT CONTROL ACCURACY	-	±0.5°C (VTF / VT FEVO)	±0.5°C (VTF / VT FEVO) ± 1 °C (Pt100)	±0.5°C (VTF / VT FEVO) ± 1 °C (Pt100)
LOCK FUNCTION	-	-	Yes	Yes
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
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

3 YEARS WARRANTY

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

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VELP Official Partner

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