ARE/AREX 5 Series

Heating Magnetic Stirrers

Best-selling hotplate stirrers ensuring powerful heating and stirring
from basic applications to precise thermoregulations

AREX 5 Digital

The AREX 5 Digital is designed for accurate thermoregulation offering outstanding stirring and heating performance, enhanced safety features and ease-of-use. The connection with the external temperature probe Pt100 and Pt1000 and with the digital thermoregulator VTF ensures top class versatility meeting all temperature accuracy requirements.

SAFE AND RESISTANT

- The internal electronic parts are protected by the insulating disk to resist even to the most challenging environments and applications.
- Hot Surface safety message displayed when the temperature is above 50 °C.
- The 135 mm diameter top is protected from chemicals and scratches by the superior resistant CerAlTop™ ceramic coating.

EXCELLENT THERMOREGULATION

- Ideal for temperature sensitive applications in many industrial and academic laboratories.
- Precise thermoregulation of the medium with Pt100/Pt1000 probe (± 1.0 °C) and VTF Digital Thermoregulator (± 0.5 °C).
- Thermoregulation range from room temperature up to 310 °C.

POWERFUL STIRRING

- Brushless motor ensuring power and resistance over time.
- Stirs up to 20 l from 50 to 1500 rpm.
- SpeedServo™ counter reaction technology maintains the speed constant as viscosity changes.

CONFIGURATIONS

AREX 5 Digital

AREX 5 Digital System with Probe

AREX 5 Digital System with Probe, Rod and Clamp

AREX 5 Digital System with VTF and Rod

AREX 5

The AREX 5 is a robust and versatile hotplate stirrer suitable for applications ranging from basic to temperature-sensitive where precise sample thermoregulation is required.

DURABLE, SAFE AND POWERFUL

- Upgradable to digital with VTF ensuring temperature accuracy of ± 0.5°C.
- Insulating disk to protect internal parts.
- The 135 mm diameter top is protected from chemicals and scratches by the superior resistant CerAlTop™ ceramic coating.
- Two illuminated indicators always inform the operator when heating is on and temperature above 50°C.
- Stirs up to 20 l from 100 to 1500 rpm with SpeedServo™ counter reaction.
- Brushless motor ensuring power and resistance over time.

AREX 5

AREX 5 System with VTF and Rod

CONFIGURATIONS

ARE 5

The ARE 5 is the entry-level hotplate stirrer that has become a reference for many laboratories around the world ranging from university, research centers to industrial.

RELIABLE AND ROBUST

- Insulating disk to protect internal parts.
- The 135 mm diameter aluminum alloy top plate ensures a great temperature homogeneity and optimum heat transfer across the entire surface.
- Two illuminated indicators always inform the operator when heating is on and temperature above 50°C.
- Stirs up to 15 l from 100 to 1500 rpm with SpeedServo™ counter reaction.
- Brushless motor ensuring power and resistance over time.

ARE 5

CONFIGURATIONS

OPTIONAL ACCESSORIES

Support rod	**A00001069**
Extension for support rod	**A00000382**
Clamp for the probe	**A00000280**
Handle for AluBlock removal	**A00000351**

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

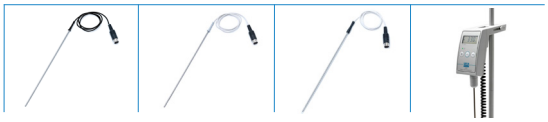
A00001056
Magnetic stir bar Ø6x35mm

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.



A00000358
Pt1000 Temperature Probe AISI 316 Ti Ø3 mm

A00000268
Pt100 Temperature Probe AISI 316 Ti Ø3mm

A00000349
Pt100 Temperature Probe glass-coated Ø5mm

F208B0063
VTF Digital Thermoregulator

CONFIGURATIONS CODES

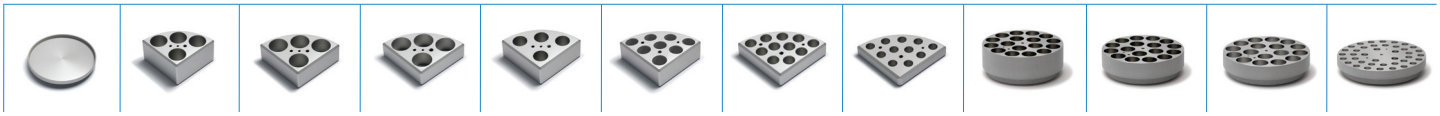
		AREX 5 Digital	AREX 5	ARE 5
STIRRER ONLY	230 V / 50-60 Hz 115 V / 60 Hz	**F20500580** **F20510580**	**F20500570** **F20510570**	**F20500560** **F20510560**
WITH PT100 TEMPERATURE PROBE	230 V / 50-60 Hz 115 V / 60 Hz	**SA20500580** **SA20510580**	- -	- -
WITH PT100, SUPPORT ROD AND CLAMP	230 V / 50-60 Hz 115 V / 60 Hz	**SC20500580** **SC20510580**	- -	- -
WITH VTF AND SUPPORT ROD	230 V / 50-60 Hz 115 V / 60 Hz	**SB20500580** **SB20510580**	**SA20500570** **SA20510570**	- -

Improve your productivity

ALUBLOCK™

The 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.

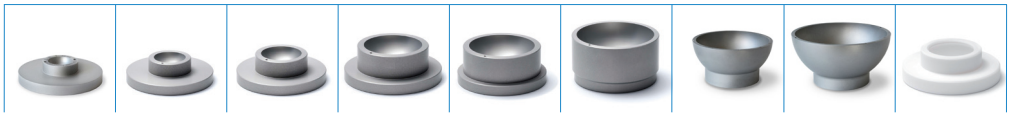


A00000323	A00000324	A00000325	A00000326	A00000327	A00000328	A00000329	A00000337	A00000340	A00000339	A00000338	A00000341
MultiAluBlock™ Base	MultiAluBlock™ 4 pos. Ø28xh.43 mm	MultiAluBlock™ 4 pos. Ø28xh.30 mm	MultiAluBlock™ 4 pos. Ø28xh.24 mm	MultiAluBlock™ 4 pos. Ø21xh.31 mm	MultiAluBlock™ 8 pos. Ø17xh.26 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**

TECHNICAL DATA

	AREX 5 DIGITAL	AREX 5	ARE 5
USER INTERFACE	Digital	Analog	Analog
HOUSING MATERIAL	Epoxy painted aluminum structure	Epoxy painted aluminum structure	Epoxy painted aluminum structure
PLATE MATERIAL	CerAlTop™ (ceramic coated aluminum alloy)	CerAlTop™ (ceramic coated aluminum alloy)	Aluminum Alloy
PLATE DIAMETER	135 mm	135 mm	135 mm
STIRRING VOLUME (H_2O)	20 L	20 L	15 L
STIRRING SPEED RANGE	50 - 1500 rpm	100 – 1500 rpm	100 – 1500 rpm
SPEED CONTROL	Digital	Analog	Analog
MOTOR	Brushless	Brushless	Brushless
TORQUE COMPENSATION	SpeedServo™	SpeedServo™	SpeedServo™
TEMPERATURE RANGE	Room temp. - 310 °C	Room temp. - 310 °C	Room temp. - 310 °C
HEATING CONTROL	Digital	Analog	Analog
TEMPERATURE SETTING RESOLUTION	1°C	-	-
EXTERNAL TEMPERATURE SENSOR CONNECTION	Pt100 Pt1000 VTF	VTF	-
THERMOREGULATION ACCURACY	± 0.5 °C (VTF) ± 1 (Pt100, Pt1000)	± 0.5 °C (VTF)	-
HOT TOP WARNING SYSTEM	On Display (when the temperature is above 50 °C)	Illuminated Icon (when the temperature is above 50 °C)	Illuminated Icon (when the temperature is above 50 °C)
PROTECTION CLASS	IP 42	IP 42	IP 42
POWER INPUT	630 W	630 W	630 W
PERMISSIBLE AMBIENT TEMPERATURE	5 - 40 °C	5 - 40 °C	5 - 40 °C
WEIGHT	1,7 kg (3,7 lb)	1,7 kg (3,7 lb)	1,7 kg (3,7 lb)
DIMENSIONS (WxHxD)	160x85x270 mm 6,3x3,3x10,6 in	160x85x270 mm 6,3x3,3x10,6 in	160x85x270 mm 6,3x3,3x10,6 in

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