

Comparison table AREC Series Heating Magnetic Stirrer



AREC 4

AREC 4 Digital

AREC 7

AREC 7 Digital

AREC 7 Advance

AREC 10 Digital

AREC 10 Advance

User interface	Analog	Digital	Analog	Digital	Digital	Digital	Digital
Housing material	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure	Aluminum body Technopolymer enclosure
Plate material	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic	Ceramic
Plate dimension	mm 100x100	100x100	180x180	180x180	180x180	260x260	260x260
	in 4x4	4x4	7x7	7x7	7x7	10x10	10x10
Stirring volume	up to 5 L	up to 5 L	up to 15 L	up to 15 L	up to 20 L	up to 25 L	up to 25 L
Stirring speed range	100 - 1500 rpm	100 - 1500 rpm	100 - 1500 rpm	100 - 1500 rpm	30 - 1700 rpm	100 - 1500 rpm	30 - 1700 rpm
Motor	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless	Brushless
Torque compensation	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™	SpeedServo™
Temperature range	Room temp. to 550 °C	Room temp. to 550 °C	Room temp. to 550 °C	Room temp. to 550 °C	Room temp. to 550 °C	Room temp. to 550 °C	Room temp. to 550 °C
External sensor connection	-	VTF Pt100, Pt1000	-	VTF Pt100, Pt1000	VTF Pt100, Pt1000	VTF Pt100, Pt1000	VTF Pt100, Pt1000
Thermoregulation range	-	Room Temp. to 300 (VTF) Room Temp. to 350 (Pt)	-	Room Temp. to 300 (VTF) Room Temp. to 350 (Pt)	Room Temp. to 300 (VTF) Room Temp. to 350 (Pt)	Room Temp. to 300 (VTF) Room Temp. to 350 (Pt)	Room Temp. to 300 (VTF) Room Temp. to 350 (Pt)
Thermoregulation accuracy	-	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)	-	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)	± 0.5 °C (VTF) ± 1.0 °C (Pt100, Pt100)
Timer	-	-	-	-	Yes (1 s - 99 h 59 min)	-	Yes (1 s - 99 h 59 min)
Autoreverse	-	-	-	-	Yes (5 s - 99 h 59 min)	-	Yes (5 s - 99 h 59 min)
Intermittent mode	-	-	-	-	Yes (5 s - 99 h 59 min)	-	Yes (5 s - 99 h 59 min)
Settable rotation direction	-	-	-	-	Yes: CW and CCW	-	Yes: CW and CCW
Viscosity trend measur.	-	-	-	-	Yes	-	Yes
Ramps	-	-	-	-	Up to 9 temperatures, up to 9 speeds	-	Up to 9 temperatures, up to 9 speeds
Hot plate warning system	Illuminated icon (T > 50 °C)	On Display (T > 50 °C)	Illuminated icon (T > 50 °C)	On Display (T > 50 °C)	On Display (T > 50 °C)	On Display (T > 50 °C)	On Display (T > 50 °C)
Safety lock	-	-	-	-	Yes	-	Yes
Connectivity	-	-	-	-	Ermes Cloud via Wi-Fi CotrollerSoft™ via USB-C PC and pendrive via USB-C	-	Ermes Cloud via Wi-Fi CotrollerSoft™ via USB-C PC and pendrive via USB-C
Power input	280 W	280 W	800 W	800 W	800 W	230 V / 50-60 Hz: 1530 W 115 V / 60 Hz: 1520 W 100 V / 50-60 Hz: 1320 W	230 V / 50-60 Hz: 1530 W 115 V / 60 Hz: 1520 W
Weight	kg 1.9	1.9	3.5	3.5	3.5	5.6	5.6
	lb 4.2	4.2	7.7	7.7	7.7	12.4	12.4
Dimensions (WxHxD)	mm 160x100x270	160x100x270	200x100x340	200x100x340	200x100x340	280x100x420	280x100x420
	in 6,3x3,9x10,6	6,3x3,9x10,6	7,8x3,9x 13,4	7,8x3,9x 13,4	7,8x3,9x 13,4	11x3,9x16,5	11x3,9x16,5