

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	
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	
Plate material	Ceramic		Ceramic		Ceramic		Ceramic		Ceramic		Ceramic	
Plate dimension	mm	100x100	100x100	180x180	180x180	180x180	180x180	260x260	260x260	260x260	260x260	260x260
	in	4x4	4x4	7x7	7x7	7x7	7x7	10x10	10x10	10x10	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	
Stirring speed range	100 - 1500 rpm		100 - 1500 rpm		100 - 1500 rpm		100 - 1500 rpm		30 - 1700 rpm		100 - 1500 rpm	
Motor	Brushless		Brushless		Brushless		Brushless		Brushless		Brushless	
Torque compensation	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	
External sensor connection	-		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)	
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)	
Timer	-		-		-		-		Yes (1 s - 99 h 59 min)		-	
Autoreverse	-		-		-		-		Yes (5 s - 99 h 59 min)		-	
Intermittent mode	-		-		-		-		Yes (5 s - 99 h 59 min)		-	
Settable rotation direction	-		-		-		-		Yes: CW and CCW		-	
Viscosity trend measur.	-		-		-		-		Yes		-	
Ramps	-		-		-		-		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)	
Safety lock	-		-		-		-		Yes		-	
Connectivity	-		-		-		-		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	3.5	3.5	5.6	5.6	12.4	12.4
	lb	4.2	4.2	7.7	7.7	7.7	7.7	7.7	12.4	12.4	27.5	27.5
Dimensions (WxHxD)	mm	160x100x270	160x100x270	200x100x340	200x100x340	200x100x340	200x100x340	200x100x340	280x100x420	280x100x420	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	7,8x3,9x 13,4	7,8x3,9x 13,4	11x3,9x16,5	11x3,9x16,5	11x3,9x16,5	11x3,9x16,5