Thermo Scientific Hotplates, Stirrers and Stirring Hotplates

Performance, technology and safety

Thermo SCIENTIFIC

Thermo Scientific Hotplates, Stirrers and Stirring Hotplates

Safe. Reliable. Easy.

The success of your work depends upon precision and control.

The Thermo Scientific™ Cimarec+™ and SuperNuova+™ Series deliver results with an extensive selection of hotplates, stirrers, and stirring hotplates. An impressive combination of reliable performance, advanced safety, and operational simplicity makes it easy to find the perfect instrument for your laboratory requirements. With multiple options at various price points you are sure to find the right solution for your lab.

Cimarec+ Series

SuperNuova+ Series

RT (Round Top) Series

Exceptional performance

Precise control for accuracy and reproducible results

Intelligent technology

Patented Thermo Scientific StirTrac™ technology delivers outstanding precision and consistency

Dependable safety

Thermo Scientific HOT TOP warning system ensures workplace safety

Thermo Scientific Cimarec+ Series

Our new Cimarec+ series digital stirrers, hotplates, and stirring hotplates are designed to provide precise stirring control, exceptional safety and temperature performance for your routine protocols.

The Cimarec+ units are available in three sizes, providing flexibility from microscale chemistries to production operations.

Cimarec+ Digital Stirring Hotplate

Advanced technology

- StirTrac features innovative engineering for slow-speed stirring, consistent speed control, and strong magnetic coupling
- Temperature adjustable in 1 degree increments
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)
- Automatic over-temperature protection

Simplicity. Safety. Value.

Flexible, robust design

- Top plate choices in ceramic or aluminum
- Easy-to-read LED display for heating and stirring
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Variable sizes for different sample volumes
- Stir bar comes standard with stirrer and stirring hotplate models

Thermo Scientific Cimarec+ Series

Heating Surface: 4.25" x 4.25" (10.8 x 10.8 cm) Overall Dimensions: 5" W x 10" D x 3.6" H (12.7 x 25.4 x 9.1 cm)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
4"x4"	HP88854100	Hotplate	Ceramic	100-120V 50/60Hz	N/A	540	
	HP88854105	Hotplate	Ceramic	230V 50/60Hz	N/A	540	
	S88854100	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88854105	Stirrer	Ceramic	230V 50/60Hz	50-1500	N/A	
	SP88854100	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	540	
	SP88854105	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	540	

Heating Surface: 7.25" x 7.25" (18.4 x 18.4 cm) Overall Dimensions: 8.2" W x 13" D x 3.8" H (20.8 x 33 x 9.7 cm)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
7"x7"	HP88857100	Hotplate	Ceramic	100-120V 50/60Hz	N/A	540	
	HP88857105	Hotplate	Ceramic	230V 50/60Hz	N/A	540	
	S88857100	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88857105	Stirrer	Ceramic	230V 50/60Hz	50-1500	N/A	
	SP88857100	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	540	
	SP88857105	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	540	
	SP88857106	Hotplate Stirrer	Ceramic	230V 50/60Hz (AUS/CN plug)	50-1500	540	
	SP88857107	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK Plug)	50-1500	540	
	HP88857104	Hotplate	Aluminum	100-120V 50/60Hz	N/A	300	
	HP88857108	Hotplate	Aluminum	230V 50/60Hz	N/A	300	
	S88857104	Stirrer	Aluminum	100-120V 50/60Hz	50-1500	N/A	
	S88857108	Stirrer	Aluminum	230V 50/60Hz	50-1500	N/A	
	SP88857104	Hotplate Stirrer	Aluminum	100-120V 50/60Hz	50-1500	300	
	SP88857108	Hotplate Stirrer	Aluminum	230V 50/60Hz	50-1500	300	

Heating Surface: 10.25" x 10.25" (26.0 x 26.0 cm) Overall Dimensions: 11.3" W x 16.2" D x 4" H (28.7 x 41.1 x 10.2 cm)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
10"x10"	HP88850100	Hotplate	Ceramic	100-120V 50/60Hz	N/A	400	
	HP88850105	Hotplate	Ceramic	230V 50/60Hz	N/A	400	
	S88850100	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88850105	Stirrer	Ceramic	230V 50/60Hz	50-1500	N/A	
	SP88850100	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	400	
	SP88850105	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	400	
	SP88850106	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	400	
	SP88850107	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	400	

Warranty: Three years **Certifications:** cCSAus (100-120V models), CE (230V models) **RoHS** compliant

Accessories for Thermo Scientific Cimarec+ and SuperNuova+ Series

Cat. No.	Description
CIC0001444	Splash guard / safety shield for all Cimarec+ and SuperNuova+ 4'' x 4'' Stirrers, Hotplates and Hotplate Stirrers
CIC0001445	Splash guard protection shield for all Cimarec+ and SuperNuova+ 7'' x 7'' Stirrers, Hotplates and Hotplate Stirrers
CIC0001446	Splash guard / safety shield for all Cimarec+ and SuperNuova+ 10'' x 10'' Stirrers, Hotplates and Hotplate Stirrers
CIC0001447	PT100 External probe, 0-400°C, Stainless steel, for all sizes of Cimarec+ and SuperNuova+ Hotplates and Hotplate Stirrers
CIC0001448	PT1000 External probe, 0-400°C, Stainless steel, for all sizes of Cimarec+ and SuperNuova+ Hotplates and Hotplate Stirrers
CIC0001449	Hastelloy PT1000 External probe, 0-400°C, Hastelloy, for all sizes of Cimarec+ and SuperNuova+ Hotplates and Hotplate Stirrers
CIC0001830	Supporting rod to be used with clamp and clamp holder to hold temperature probe and flask, suitable for all Cimarec+ and SuperNuova+ models
CIC0001831	Clamp and clamp holder to attach to supporting rod, suitable for all Cimarec+ and SuperNuova+ models

Thermo Scientific SuperNuova+ Series

Our SuperNuova+ series stirrers, hotplates and stirring hotplates are designed to provide reliable performance, dependable safety and simple operation.

SuperNuova+ units are available in two sizes and provide optimized controls and settings for applications that demand advanced precision.

Intuitive design

- Top plate choices in ceramic or aluminum
- Easy-to-read LED display for heating and stirring
- Raised display design protects electronics from spills
- Ability to set programs (ramp/dwell) as well as save settings
- Stainless steel PT1000 temperature probe, supporting rod and clamp kit included with both hotplate and stirring hotplate
- Stir bar comes standard with stirrer and stirring hotplate models
- Optional PT1000 temperature probe and splash guard protection shield

Advanced technology

- StirTrac features innovative engineering for slow-speed stirring, consistent speed control, and stronger magnetic coupling
- HOT TOP warning system designed to protect from accidental burns with prominent display when heating surface is above 50°C (122°F)

Reliable performance. Ease of operation.

Heating Surface: 7.25" x 7.25" (18.4 x 18.4 cm) Overall Dimensions: 8.2" W x 13" D x 3.8" H (20.8 X 33 X 9.7 cm)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
7"x7"	HP88857190	Hotplate	Ceramic	100-120V 50/60Hz	N/A	450	
	HP88857195	Hotplate	Ceramic	230V 50/60Hz	N/A	450	
	S88857190	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88857195	Stirrer	Ceramic	230V 50/60Hz	50-1500	N/A	
	SP88857190	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	450	
	SP88857195	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	450	
	HP88857194	Hotplate	Aluminum	100-120V 50/60Hz	N/A	300	
	HP88857198	Hotplate	Aluminum	230V 50/60Hz	N/A	300	
	SP88857194	Hotplate Stirrer	Aluminum	100-120V 50/60Hz	50-1500	300	
	SP88857198	Hotplate Stirrer	Aluminum	230V 50/60Hz	50-1500	300	

Heating Surface: 10.25" x 10.25" (26.0 x 26.0 cm) Overall Dimensions: 11.3" W x 16.2" D x 4" H (28.7 x 41.1 x 10.2 cm)

	Cat. No.	Description	Surface Type	Volts/Hz	Stir Range (RPM)	Max Surface Temp °C	Plug Configuration
10"x10"	HP88850190	Hotplate	Ceramic	100-120V 50/60Hz	N/A	400	
	HP88850195	Hotplate	Ceramic	230V 50/60Hz	N/A	400	
	S88850190	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88850195	Stirrer	Ceramic	230V 50/60Hz	50-1500	N/A	
	SP88850190	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	400	
	SP88850195	Hotplate Stirrer	Ceramic	230V 50/60Hz	50-1500	400	

Warranty: Three years **Certifications:** cCSAus (100-120V models), CE (230V models) **RoHS** compliant

Flexible features. Maximum benefits.

With a wide variety of features and options, the Cimarec+ Series, SuperNuova+ Series, and RT Series support all your applications – from basic stirring needs to the most precise high-temperature heating and control. Improve your process. Customize your workflow.

(L-R)
Cimarec+ Series
Super Nuova+ Series
RT2 Advanced Series

	Cimarec+ Series	SuperNuova+ Series	RT2 Advanced	Benefit
Safety				
Raised display	•	•	•	Guides any spilled liquids away from electronics and controller
HOT TOP warning indicator	•	•	•	Visual warning system designed to help prevent burns even when unit is turned off but still plugged in
Timer		•	•	Allows for untended operation
Over-temperature protection	•	• (User-Adjustable)	• (User-Adjustable)	Prevents overheating, short circuiting and internal damage in case of overflow protecting samples
Optional splash guard	•	•	•	Shield provides a protective barrier to guard vessels
Keypad lock			•	Security
Removable power cord	•	•	•	Convenience
Control				
Digital RPM display	•	•	•	For more accurate stirring
Digital temperature display	•	•	•	For more accurate heating
Programmability		•		Convenience and time savings for repeated experiments
Digital temperature display with 0.1C resolution	•	•	•	More precise temperature control
Heating rate adjustable			•	Ideal when faster or slower heat up times are desired
View current and set temperature simultaneously		•	•	Ease of use
User configurable temperature limit setting		•	•	For added sample protection
Microprocessor control	•	•	•	For improved efficiency
Temperature calibration		•	•	To offset/calibrate the temperature based on the application needs
Performance				
Temperature probe	Optional	Included	Included	Accurate sample temperature readout and control
Slow speed stirring capability (RPM)	50	50	30	For precise stirring applications
Large capacity stirring capability (Liter)	10	10	20	For larger sample volumes
Will maintain stir speed if viscosity changes	•	•	•	For applications where samples will change viscosity
Flexibility				
Range of sizes (inches)	4x4, 7x7, 10x10	7x7, 10x10	5.5 (140mm)	Meets a wide range of sample size requirements
Top material options	Ceramic or Aluminum	Ceramic or Aluminum	Ceramic coated aluminum	Ceramic is resistant to chemicals and can handle higher temperatures, aluminum provides temperature uniformity across the entire top plate
Optional rods and clamps	•	•	•	To hold apparatus

Thermo Scientific RT Basic Series Magnetic Stirrers

Experience the reliability of our plug-and-play stirrers, ideal for routine stirring applications

Features

- Strong magnetic coupling to ensure consistent stirring during experimental procedures
- Three size options
- Low profile lightweight design with small footprint
- Speed Control: 150 to 2500rpm
- Two non-slip silicone plate covers included with all units (1 black, 1 white)

Cat. No.	88880007	88880008	88880009	88880010	88880011	88880012
Plug Configuration						
Mechanism	Brushless DC motor		Brushless DC motor		Brushless DC motor	
Stirring Capacity (H20)	2L		4L		5L	
Speed Range	150 to 2500rpm		150 to 2500rpm		150 to 2500rpm	
Maximum Load (vessel)	15kg / 33.07lbs		20kg / 44.09lbs		25kg / 55.12lbs	
Body Material	Polypropylene		Polypropylene		Polypropylene	
Top Plate Dimensions	120mm / 4.72in diameter		170mm / 6.69in diameter		220mm / 8.66in diameter	
Overall Dimensions (WxDxH)	130 x 130 x 65mm 5.12 x 5.12 x 2.56in		185 x 185 x 65mm 7.28 x 7.28 x 2.56in		230 x 230 x 65mm 9.06 x 9.06 x 2.56in	
Power Consumption	5W		6W		6W	
Power	100 – 240V, 50/60Hz		100 – 240V, 50/60Hz		100 – 240V, 50/60Hz	
Certifications	CE		CE		CE	
Warranty	2 Years		2 Years		2 Years	

Accessories for RT Basic Series Magnetic Stirrers	Cat. No.
Non-slip silicone plate cover for items 88880007 and 88880008 (White color, Silicone Ø120cm)	88880144
Non-slip silicone plate cover for items 88880009 and 88880010 (White color, Silicone Ø170cm)	88880145
Non-slip silicone plate cover for items 88880011 and 88880012 (White color, Silicone Ø220cm)	88880146

Non-slip Silicone Plate Covers

Thermo Scientific RT Touch Series Magnetic Stirrers

Stay in control with our low profile digital display stirrer, ideal for routine stirring applications where precise stir speed is required.

Features

- Digital control
- Gradual start-up stirring to prevent splashing
- Threaded hole for support rod
- Low profile lightweight design with small footprint; two sizes available
- Strong magnetic coupling to ensure consistent stirring during experimental procedures
- Speed Control: 30 to 2000rpm
- Two non-slip silicone plate covers included with all units (1 black, 1 white)
- Timer: Run continuously or countdown
- Detachable Plug
- Programmable

Cat. No.	88880013	88880014	88880015	88880016
Plug Configuration				
Speed Control	Digital		Digital	
Stirring Capacity (H_2O)	4L		5L	
Speed Range	30 to 2000rpm		30 to 2000rpm	
Maximum Load (vessel)	20kg / 44.09lbs		25kg / 55.12lbs	
Body and Top Plate Material	Polypropylene		Polypropylene	
Top Plate Dimensions	170mm / 6.69in diameter		220mm / 8.69in diameter	
Overall Dimensions (WxDxH)	210 x 280 x 72mm 8.27 x 11.02 x 2.82in		260 x 360 x 72mm 10.24 x 14.17 x 2.82in	
Power Consumption	6W		6W	
Power	100 – 240V, 50/60Hz		100 – 240V, 50/60Hz	
Certifications	CE		CE	
Warranty	2 Years		2 Years	

Accessories for RT Touch Series Magnetic Stirrers	Cat. No.
Non-slip silicone plate cover for items 88880013 and 88880014 (White color, Silicone Ø170cm)	**88880145**
Non-slip silicone plate cover for items 88880015 and 88880016 (White color, Silicone Ø220cm)	**88880146**

Non-slip Silicone Plate Covers

Thermo Scientific RT2 Digital Hotplate

Increase your confidence in safety and accuracy with our low-profile digital display hotplate. Equipped with HOT TOP warning and built-in temperature shut-off to provide accurate heating of samples and safety to the laboratory.

Features

- Precise digital control with 0.1C resolution
- Automatic over-temperature safety shut off at 450°C
- HOT TOP warning indicator
- Microprocessor PID temperature control
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Two threaded holes for Support Rods
- Keypad lock
- Heating rate can be set from 0 to 100% at 1% interval
- View current and set temperature simultaneously
- Timer can be set to start immediately, count down or start when top plate reaches desired set point
- Aluminum top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing.

Cat. No.	88880002	88880001
Plug Configuration		
Temperature Range	Max 350°C /662°F	
Heating Control	Feedback Control with PID	
Display	LED digital (0.1C resolution)	
Maximum Load (vessel)	25kg / 55.1lbs	
Body Material	Cast aluminum	
Top Plate Dimensions	140 mm / 5.5in diameter	
Top Plate Material	Ceramic coated aluminum	
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in	
Heating Power	600W	
Power	120V, 60Hz	230V, 50/60Hz
Certifications	CE, cCSAus	
Warranty	2 Years	

RT2 with Transparent Shield

Accessories for RT2 Hotplate	Cat. No.
Heating Bath	88880141
Transparent Shield (PC)	88880142
Support Rod (Ø12mm, 400mm, M10)	88880143

Thermo Scientific RT2 Basic Hotplate Stirrer

Rely on the accuracy of our low-profile analog hotplate stirrer for your routine applications. Each unit is equipped with HOT TOP warning and built-in over-temperature safety shut-off.

Features

- Automatic over-temperature safety shut off at 450°C
- HOT TOP warning indicator
- Max temperature of 350°C
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Supporting rod (optional)
- Two threaded holes for Support Rods
- Aluminum top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing.
- 20L stirring Capacity

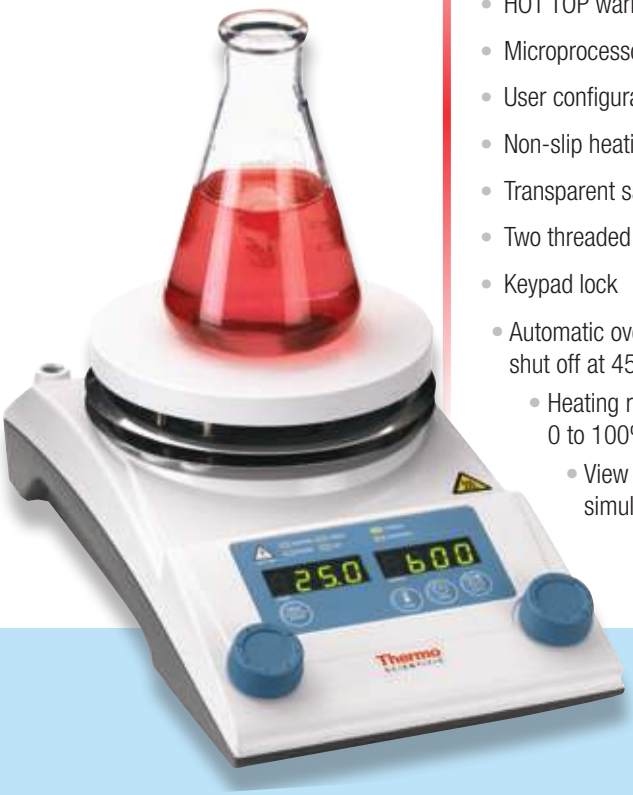
Cat. No.	88880004	88880003
Plug Configuration		
Temperature Range	Max 350°C /662°F	
Heating Control	Scale	
Stirring Speed Range	50 to 2000rpm	
Maximum Load (vessel)	25kg / 55.1lbs	
Stirring Capacity (H20)	20L	
Body Material	Cast aluminum	
Top Plate Material	Ceramic coated aluminum	
Top Plate Dimensions	140 mm / 5.5in diameter	
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in	
Heating Power	600W	
Power	120V, 60Hz	230V, 50/60Hz
Certifications	CE, cCSAus	
Warranty	2 Years	

Accessories for the RT2 Basic Hotplate Stirrer	Cat. No.
Heating Bath	88880141
Transparent Shield (PC)	88880142
Support Rod (Ø12mm, 400mm, M10)	88880143

Heating Bath

Thermo Scientific RT2 Advanced Hotplate Stirrer

Experience precision with our low-profile digital display hotplate stirrer, equipped with PT100 sensor for precise temperature measurements for sensitive experimental procedures.



Features

- Precise digital control with 0.1C resolution
- HOT TOP warning indicator
- Microprocessor PID temperature control
- User configurable temperature limit setting
- Non-slip heating bath (optional)
- Transparent safety shield (optional)
- Two threaded holes for Support Rods
- Keypad lock
- Automatic over-temperature safety shut off at 450°C
- Heating rate can be set from 0 to 100% at 1% interval
- View current and set temperature simultaneously
- Timer: start immediately or when desired temperature is reached
- Aluminum top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing.
- 20L stirring Capacity
- Stir speed range: 30-2000RPM
- If stirring viscosity changes, the feedback function allows unit to maintain set speed.
- **Temperature probe (included)** when coupled, automatically changes to external sensor mode, user can check sample temperature also control via probe on digital display.

Cat. No.	88880006	88880005
Plug Configuration		
Temperature Range	Ambient 50°C to 350°C / 122°F to 662°F	
Heating Control	Feedback Control with PID / Scale	
Stirring Speed Range	30 to 2000rpm	
Maximum Load (vessel)	25kg / 55.1lbs	
Stirring Capacity (H20)	20L	
Body Material	Aluminum	
Top Plate Material	Ceramic coated aluminum	
Top Plate Dimensions	140mm / 5.5in diameter	
Overall Dimensions (WxDxH)	161 x 290 x 100mm 6.34 x 11.42 x 3.94in	
Heating Power	600W	
Power	120V, 60Hz	230V, 50/60Hz
Certifications	CE, cCSAus	
Warranty	2 Years	

Accessories for RT2 Advanced Hotplate Stirrer	Cat. No.
Heating Bath	88880141
Transparent Shield (PC)	88880142
Support Rod (Ø12mm, 400mm, M10)	88880143
Temperature Probe (PT 100, SN-8-4 connector sensor)	88880147
C-5, Clamp Holder (PP body, Ø12 mm)	88880148
3 Prong Clamp (60mm grip)	88880149
Temperature Probe (PT100, A Class, 400°C)	88880150

Includes Temperature Probe
(PT 100, SN-8-4 connector sensor)