

# hotplates & stirrers

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## 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

### Flexible, robust design

- Top plate choices in ceramic or aluminum
- Easy-to-read LED display for heating and stirring (except 4x4 model)
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Three sizes for different sample volumes
- Stir bar included with stirrer and stirring hotplate models

Simplicity. Safety. Value.



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	

Note: 4"x4" Hotplate Stirrer has digital temperature and analog stirring control.

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 temperature probe, 0-400°C, Stainless steel for Cimarec+ (+/- 1.8°C @ 70°C) and SuperNuova+ (+/- 1.2°C @ 70°C) Hotplates
CIC0001448	PT1000 temperature probe, 0-400°C, Stainless steel, for Cimarec+ (+/- 1.0°C @ 70°C) and SuperNuova+ (+/- 0.5°C @ 70°C) Hotplates
CIC0001449	Hastelloy PT1000 temperature probe, 0-400°C, for Cimarec+ and SuperNuova+ Hotplates; Hastelloy is chemical and corrosion resistant.
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

\*When the probe is connected, the adjustable temperature range is 30-250°C.

## 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 save temperature settings
- Stainless steel PT100 temperature probe, supporting rod and clamp kit included with both hotplate and stirring hotplate
- Timer
- 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 of set temperature (122°F)
- Temperature display resolution when connected with probe: <100°C: 0.1 degree; >100°C: 1 degree

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

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	⏏ ⚠

## Thermo Scientific Nuova Hotplates, Stirring Hotplates & Stirrers

**Excellent low end temperature control ideal for warming applications, culture media preparation and slow speed stirring of culture media**



- Full stirring and heating capabilities, a compact design and low temperature stability for a wide range of warming applications requiring stir speeds as low as 100rpm
- Reaches maximum temperature in just 8 minutes.\* Embedded heating element ensures even heat distribution
- Durable, die-cast aluminum case and corrosion-resistant porcelain-coated stainless-steel top
- Excellent low speed stirring (100rpm) can be achieved by turning knob to setting 1
- Topside drip edge protects internal components from spills
- Stirrer accommodates up to 20 lb. (9.1kg) load
- Porcelain coated stainless steel top gives excellent corrosion resistance

**Includes:** Integral ring stand holder accommodates a 0.5in. (1.3cm) diameter support rod, TFE stirbar

**Warranty:** Three years

**Certifications:** UL, CUL listed (S18520Q, S18525Q, SP18420Q, SP18425Q HP18320Q and HP18325Q only)

**Notes:** Recommended for use with glass vessels only.

### Thermo Scientific Nuova Hotplates

Cat. No.	Surface Area	Temp. Range	Overall L x W x H	Shipping Weight	Electrical
<b>HP18325Q</b>	17.7 x 17.7cm (7.0 x 7.0in.)	38° to 371°C (100° to 700°F)	21.8 x 29.9 x 11.73cm (8.6 x 11.8 x 4.5in.)	4.5kg (10 lb.)	120V, 840w, 7.0A
<b>HP18320Q</b>	17.7 x 17.7cm (7.0 x 7.0in.)	38° to 371°C (100° to 700°F)	21.8 x 29.9 x 11.73cm (8.6 x 11.8 x 4.5in.)	4.5kg (10 lb.)	220 to 240V, 840w, 3.5A
<b>HP18320-26Q</b>	17.7 x 17.7cm (7.0 x 7.0in.)	38° to 371°C (100° to 700°F)	21.8 x 29.9 x 11.73cm (8.6 x 11.8 x 4.5in.)	4.5kg (10 lb.)	220 to 240V (supplied with European cord set), 840w, 3.5A

### Thermo Scientific Nuova Stirring Hotplates

Cat. No.	Stirring Speed Range	Surface Area	Overall L x W x H	Temp. Range	Shipping Weight	Electrical
<b>SP18425Q</b>	100 to 1000rpm	17.7 x 17.7cm (7.0 x 7.0in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	38° to 371°C (100° to 700°F)	5kg (11 lb.)	120V, 858w, 7.0A
<b>SP18420Q</b>	100 to 1000rpm	17.7 x 17.7cm (7.0 x 7.0in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	38° to 371°C (100° to 700°F)	5kg (11 lb.)	240V, 851ww, 3.5A
<b>SP18420-26Q</b>	100 to 1000rpm	17.7 x 17.7cm (7.0 x 7.0in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	38° to 371°C (100° to 700°F)	5kg (11 lb.)	240V (with European cord set), 851w, 3.6A

### Thermo Scientific Nuova Magnetic Stirrers

Cat. No.	Stirring Speed Range	Surface Area	Overall L x W x H	Shipping Weight	Electrical
<b>S18525Q</b>	100 to 1000rpm	17.8 x 17.8cm (7 x 7in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	4.5kg (10lbs)	120V 50/60Hz, 18w, 0.3A
<b>S18520Q</b>	100 to 1000rpm	17.8 x 17.8cm (7 x 7in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	4.5kg (10lbs)	240V 50/60Hz, 11w, 0.1A
<b>S18520-26Q</b>	100 to 1000rpm	17.8 x 17.8cm (7 x 7in.)	21.8 x 29.9 x 11.43cm (8.6 x 11.8 x 4.5in.)	4.5kg (10lbs)	240V (with European cord set) 50/60Hz, 11w, 0.1A

\*assumes ambient temperature of 23°C



## Thermo Scientific Cimatec Basic Series

**Sleek, rugged, no frills design combined with our renowned quality, performance**



- Ideal for economical, general-purpose use
- Sleek, rugged design and construction promotes durability
- New top-plate design reduces chance of breakage
- Spill-away design diverts spills away from internal components
- Solid ceramic top plate cleans easily, resists acids and alkalis
- Integral ring-stand holder accommodates 0.5 in. (1.3cm) diameter support rod

### Thermo Scientific Cimatec Basic Hotplates

Cat. No.	Surface Area	Top Plate Material	Temp. Range	Overall L x W x H	Electrical
<b>HP194515</b>	10.8 × 10.8cm (4.25 × 4.25in.)	Ceramic	150° to 538°C (302° to 1000°F)	20 × 14.5 × 12.7cm (7.9 × 5.7 × 5in.)	120V 60Hz, 3.21A, 385w
<b>HP194825</b>	18.4 × 18.4cm (7.25 × 7.25in.)	Ceramic	150° to 538°C (302° to 1000°F)	28.2 × 21.1 × 12.7cm (11.1 × 8.3 × 5in.)	120V 60Hz, 8.96A, 1062w

### Thermo Scientific Cimatec Basic Stirring Hotplates

Cat. No.	Surface Area	Top Plate Material	Stirring Range	Temp. Range	Overall L x W x H	Electrical
<b>SP194715</b>	10.8 × 10.8cm (4.25 × 4.25in.)	Ceramic	250 to 2500rpm	150° to 538°C (302 to 1000°F)	20 × 14.5 × 12.7cm (7.9 × 5.7 × 5in.)	120V 60Hz, 3.45A, 405w
<b>SP195025</b>	18.4 × 18.4cm (7.25 × 7.25in.)	Ceramic	250 to 2500rpm	150° to 538°C (302 to 1000°F)	28.2 × 21.1 × 12.7cm (11.1 × 8.3 × 5in.)	120V 60Hz, 9.18A, 1086w

### Thermo Scientific Cimatec Basic Stirrers

Cat. No.	Surface Area	Top Plate Material	Stirring Range	Overall L x W x H	Electrical
<b>S194615</b>	10.8 × 10.8cm (4.25 × 4.25in.)	Ceramic	250 to 2500rpm	20 × 14.5 × 12.7cm (7.9 × 5.7 × 5in.)	120V 60Hz, 0.45A, 21w
<b>S194925</b>	18.4 × 18.4cm (7.25 × 7.25in.)	Ceramic	250 to 2500rpm	28.2 × 21.1 × 12.7cm (11.1 × 8.3 × 5in.)	120V 60 Hz, 0.48A, 23w

**Includes:** TFE-coated stir bar  
**Warranty:** Three years  
**Certifications:** cCSAus

## Thermo Scientific Student Hotplates



**Warranty<sup>†</sup>:** Three years

**Small diameter heating surfaces, which provide high heat in a small footprint, ideal for quick sample testing**

- Perforated stainless-steel case allows air to circulate to protect controls and countertop from excess heat
- Thermostatic temperature control provides excellent stability of the top plate temperature and the sample
- Hotplate reaches 260°C (500°F) in just 4.5 min.\*
- Recommended for use with glass vessels

Cat. No.	Surface Material	Maximum Temp.	Electrical
<b>HP2305BQ</b>	Aluminum	371°C (700°F)	120V 50/60Hz, 325w, 2.7A
<b>HP2310BQ</b>	Aluminum	371°C (700°F)	240V 50/60Hz, 325w, 1.4A



**Includes:** TFE-coated stir bar  
**Warranty<sup>†</sup>:** Three years

## Thermo Scientific StirBuddy Personal Stirrer

**Compact and space-saving design with a large stirring surface to reduce risk of spills**

- Solid-state speed control
- Direct-drive motor/magnet assembly stir solutions from water to viscous 50% glycerin
- Can recalibrate to accommodate viscous liquids and specialized vessels
- Top plate and base are made of molded thermoplastic polyester

Cat. No.	Stirring Speed	Dimensions	Shipping Weight	Electrical
<b>S168515Q</b>	200 to 2500rpm	15.2 x 7.6cm (6 x 3in.)	1.2kg (2.4 lb.)	120V 60Hz, 0.4A, 48w



**Includes:** TFE-coated stir bar  
**Warranty<sup>†</sup>:** Three years  
**Certifications:** cCSAus

## Thermo Scientific Stir Light 7 x 7 Stirrer

**Illuminates hard-to-see titration end points, and ideal for general laboratory applications including reagent mixing and stirring bacteria cultures**

- Lighted top allows easy viewing of samples while stirring
- Light and stirring functions can be used independently
- Large 7 x 7in. acrylic top plate surface accommodates 4L flasks
- Cool fluorescent bulbs minimize heat output
- Features built-in indicator light

Cat. No.	Stirring Speed	Top Plate Dimensions ,L x W	Shipping Weight	Electrical
<b>SL194325</b>	250 to 2500rpm	17.8 x 17.8cm (7 x 7in.)	2.7kg (6 lb.)	120V 60Hz, 37w

\* with temperature setting at maximum and ambient temperature 23°C

## Thermo Scientific Super-Nuova Multi-Position Digital Stirring Hotplates and Stirrers

**Ideal for high-volume, high-performance processing and life science/biotechnology applications as well as labs with multiple users**



**Includes:** Detachable line cord and plug, 6in. Type K probe. Stirring models also include stir bar  
**Warranty:** Three years  
**Certifications:** cCSAus (all models), CE (220-240V models)

### Operating Features

- Features four independently controlled stirring positions
- Separate easy to read displays for heating and stirring are adjustable in 1°C and 1rpm increments.
- User programmable preset buttons can store 4 commonly used protocols at the touch of a button – excellent for labs with multiple users
- Microprocessor controlled feedback technology ensures accurate and stable setpoints
- Control either the top plate surface temperature or the liquid temperature (when using the included PTFE-coated probe)
- Calibration mode allows remote probe to be calibrated to external standards at a user selected temperature
- StirTrac technology with superb magnetic coupling provides smooth slow speed stirring and rapid braking.
- Walk away timer shuts off heating, stirring or both after preset user defined interval
- Integrated ring stand, single knob design and RS232 output

### Safety Features

- Cast-aluminum base diverts spills from internal electronics
- Low-profile design and stable, rugged base prevent tipping and spillage
- User-adjustable over-temperature protection prevents overheating, short-circuiting and internal damage in case of sample overflow
- Red HOT TOP warning light activates when heating surface is above 50°C (122°F); unit flashes HOT OFF until surface temperature falls to 50°C or below, even when heat control is turned off
- Lock feature prevents accidental changes

## Thermo Scientific Super-Nuova Multi-Position Digital Stirring Hotplates

Cat. No.	No. of Places	Stirring Range	Temp. Range	Overall L x W x H	Shipping Weight	Electrical
<b>SP135935Q</b>	4	50 to 1200rpm	RT +1° to 370° C (33.8° to 698°F)	41.1 × 28.7 × 10.2cm (16.2 × 11.3 × 4in.)	9.3kg (20.5 lb.)	120V 60Hz, 1400w, 11.8A
<b>SP135930-33Q</b>	4	50 to 1200rpm	RT +1° to 370° C (33.8° to 698°F)	41.1 × 28.7 × 10.2cm (16.2 × 11.3 × 4in.)	9.3kg (20.5 lb.)	220-240V 50-60Hz

## Thermo Scientific Super-Nuova Multi-Position Digital Stirrers

Cat. No.	No. of Stirring Positions	Stirring Range	Overall L x W x H	Shipping Weight	Electrical
<b>S136035Q</b>	4	50 to 1200rpm	41.1 × 28.7 × 10.2cm (16.2 × 11.3 × 4in.)	9.3kg (20.5 lb.)	120V 60Hz
<b>S136030-33Q</b>	4	50 to 1200rpm	41.1 × 28.7 × 10.2cm (16.2 × 11.3 × 4in.)	9.3kg (20.5 lb.)	220-240V 50/60Hz















## Thermo Scientific RT Basic Series Magnetic Stirrers

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



- 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
<b>Plug Configuration</b>		  		  		  
<b>Mechanism</b>	Brushless DC motor		Brushless DC motor		Brushless DC motor	
<b>Stirring Capacity (H2O)</b>	2L		4L		5L	
<b>Speed Range</b>	150 to 2500rpm		150 to 2500rpm		150 to 2500rpm	
<b>Maximum Load (vessel)</b>	15kg / 33.07lbs		20kg / 44.09lbs		25kg / 55.12lbs	
<b>Body Material</b>	Polypropylene		Polypropylene		Polypropylene	
<b>Top Plate Dimensions</b>	120mm / 4.72in diameter		170mm / 6.69in diameter		220mm / 8.66in diameter	
<b>Overall Dimensions (WxDxH)</b>	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	
<b>Power Consumption</b>	5W		6W		6W	
<b>Power</b>	100 – 240V, 50/60Hz		100 – 240V, 50/60Hz		100 – 240V, 50/60Hz	
<b>Certifications</b>	CE		CE		CE	
<b>Warranty</b>	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)	<b>88880144</b>
Non-slip silicone plate cover for items 88880009 and 88880010 (White color, Silicone Ø170cm)	<b>88880145</b>
Non-slip silicone plate cover for items 88880011 and 88880012 (White color, Silicone Ø220cm)	<b>88880146</b>



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.**



- 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
- Includes stir bar

Cat. No.	88880013	88880014	88880015	88880016
Plug Configuration				
Speed Control	Digital		Digital	
Stirring Capacity (H <sub>2</sub> O)	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.**



- Precise digital control with 0.1C resolution
- Automatic over-temperature safety shut off at 450C
- 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	

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





RT2 with Transparent Shield

## 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.



- 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 (H2O)	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**



- Precise digital control with 0.1°C 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 (H <sub>2</sub> O)	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)



## Thermo Scientific Cimarec i Magnetic Stirrers

### No-Compromise Stirring Performance

**Renowned for their outstanding quality and durability, Thermo Scientific Cimarec i stirrers are available in a range of sizes, with inductive drive systems to match the application or process need.**

Powerful magnetic couplings ensure precise, reproducible stirring performance for both general and specialty applications. Cimarec i® stirrers are available with convenient built-in controllers or with versatile external controllers. All offer safe, low voltage operation. Many models feature hermetically-sealed drive housings that allow operation in challenging laboratory environments and facilitate cleaning.

Units with adjustable power settings, allow users to adjust the power to the lowest level necessary to maintain the desired speed, resulting in an environmentally friendly solution that decreases power consumption and lowers heat output.

### Cimarec i Magnetic Stirrers – Maintenance-free, inductive-drive stirrers

**Inductive-drive stirrers operate without moving parts, making them uniquely wear-free and maintenance-free.**

- Hermetically-sealed drives for safe operation in demanding environments, easier cleaning and contamination prevention
- Single-point and multi-point stirring configurations



Cimarec i Stirrers

## Thermo Scientific Cimarec i Mini & Micro Stirrer



### Cimarec i Mini Stirrers

**No larger than a thumbnail, perfect for stirring cuvettes**

- Stir speeds up to 1400 rpm
- Stir volumes up to 5 mL

### Cimarec i Micro Stirrers

**Hermetically sealed housing resists dust and microorganisms**

- Suitable for use in high humidity conditions, CO<sub>2</sub>, and refrigeration – and can be fully submerged in water baths up to 95°C
- Stainless-steel housing has excellent chemical resistance
- Stir speeds up to 1400 rpm; stir volumes up to 1L

### Controller Choices

- The Cimarec i Micro and Mini series stirrers come standard with your choice of controller. Choose the Cimarec i standard Telemodul controller with its space saving design or the Cimarec i Telemodul 20C with microprocessor controls, adjustable power setting and programmability.

### LINK & SYNC

Link and Sync up to 8 Mini or Micro stirrers using one controller with optional distributors (see page 102) and 50088140 Mini stirrers without controller or 50134760 Micro stirrers without controller.

**Warranty<sup>Y</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	Stirring Speed	Power Setting	Protection Class (stirrer only)	Overall L x W x H	Weight	Electrical
50088130	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	230V Euro
50088132	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	230V UK
50088126	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	100V Japan
50088118	Mini w/ Telemodul	130 to 1000rpm	0.1w	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	115V USA
50088120	Mini 20 w/ Telemodul 20C	130 to 1400rpm	0.5/0.1/0.15/0.2w	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	100-240V
50088140	Mini w/o Controller	–	–	IP67	12 × 12 × 5mm (0.47 × 0.47 × 0.19in.)	0.02kg	–
50088162	Micro w/Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	230V Euro
50088150	Micro w/Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	115V USA
50088151	Micro w/Standard Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	2.3kg	230V UK
50088149	Micro w/Standard Telemodul	130 to 1000rpm	3w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	2.3kg	100V Japan
50088148	Micro 20 w/Telemodul 20C	130 to 1400rpm	2/4/6/8w	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	100-240V
50134760	Micro w/o Controller	–	–	IP68	48 × 48 × 15mm (1.8 × 1.8 × 0.6in.)	0.2kg	—

### OPERATING CONDITIONS:

**Mini:** -10 to +56°C at 95% rH ; 100-240 V units contain a cord set with various plugs

**Micro:** -10 to 100°C at 95% rH, -10 to 120°C in dry air, 0-95°C submerged in water; 100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Maxi & Compact Stirrers

**100% maintenance- and wear-free, hermetically sealed units designed for challenging stirring environments**



- Powerful magnets and no moving parts, these inductive-drive stirrers are designed to go into water baths and incubators (including CO<sub>2</sub>) and humid environments, as well as in refrigerators
- Outstanding mechanical, physical, thermal and chemical resistance
- Large, flat, easy-to-clean work surfaces
- Hermetically sealed chemically-resistant housing resists dust and microorganisms
- All models submersible for use in water baths up to 50°C
- Link and Sync up to 8 Compact stirrers or 4 Maxi stirrers using one controller with optional distributors (see page 102)

LINK & SYNC

### Cimarec i Maxi Stirrer with External Control

- Stir speeds up to 2000rpm
- Stir volumes up to 5L

### Cimarec i Compact Stirrer with External Control

- Stir speeds up to 1400rpm
- Stir volumes up to 1.5L

### Controller Choices

- The Cimarec i Compact and Maxi stirrers come standard with your choice of controller. Choose the Cimarec i standard Telemodul controller with its space-saving design, the Cimarec i Telemodul 20C with microprocessor controls, adjustable power setting and programmability or the Cimarec i Telemodul 40C with higher speeds, more power settings and PC control. Adjustable power settings available on the Telemodul 20C and Telemodul 40C offer decreased power consumption and lower heat output

**Warranty<sup>†</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	Stirring Speed	Power Settings	Material	Protection Class (stirrer only)	L x W x H	Weight	Electrical
50088143	Maxi w/Standard Telemodul	130 to 2000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	230V, Euro
50088145	Maxi w/Standard Telemodul	130 to 2000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	230 V UK
50088146	Maxi w/Standard Telemodul	130 to 2000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100 V Japan
50088147	Maxi w/Standard Telemodul	130 to 2000rpm	6w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	115V, USA
50088135	Maxi w/Telemodul 20C	130 to 4000rpm	4.5/9/13.5/18	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100-240V
50088122	Maxi w/Telemodul 40C	130 to 5000rpm	3-36w	Stainless Steel	IP68	18 × 18 × 3.5cm (7.1 × 7.1 × 1.4in.)	2.3kg (5.1 lb.)	100-240V
50088152	Compact w/Standard Telemodul	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	Euro 230V
50088142	Compact w/Standard Telemodul	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	115V, USA
50088153	Compact w/Standard Telemodul	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	2.3kg (5.1 lb.)	230 V UK
50088154	Compact w/Standard Telemodul	130 to 1000rpm	5w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	2.3kg (5.1 lb.)	100 V Japan
50088133	Compact w/Telemodul 20C	130 to 1500rpm	3/6/9/12w	Stainless Steel	IP68	12 × 12 × 3.5cm (4.7 × 4.7 × 1.4in.)	1kg (2.2 lb.)	100-240V

**OPERATING CONDITIONS:** -10 to +56°C in air; 0 to 50°C submerged in water.  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Mono & Maxi Direct Stirrers

With powerful magnets and no moving parts, these inductive-drive stirrers are the perfect choice for your general lab needs.

- 100% maintenance- and wear-free
- Compact, space-saving design with large, flat, easy-to-clean work surfaces
- Gradual start acceleration is gentle and ensures optimum magnetic coupling
- Adjustable power settings are separate from the speed control—decreasing power consumption and lowering heat output

### Cimarec i Mono Direct Stirrer

- Easy-to-use rotary knob design
- Rugged powder-coated stainless-steel housing
- Stir volumes up to 3L

### Cimarec i Maxi Direct Stirrers

- Precise microprocessor control with bright digital display
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Easily recall last used settings
- Stir volumes up to 5L
- Smooth and even stirring as low as 80 rpm

Warranty\*: Five years  
Certifications: CE



Cat. No.	Description	Overall L x W x H	Stirring Speed	Protection Class	Weight	Power Settings	Voltage/ Plug Type
50094711	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1000rpm	IP32	1.4kg (3 lb.)	1/5W	230V Euro
50095601	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1000rpm	IP32	1.4kg (3 lb.)	1/5W	115V USA
50096203	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1000rpm	IP32	1.4kg (3 lb.)	1/5W	230V UK
50097289	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1000rpm	IP32	1.4kg (3 lb.)	1/5W	230V Australia
50095921	Mono Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	130 to 1000rpm	IP32	1.4kg (3 lb.)	1/5W	100V Japan
50094713	Maxi Direct	215 × 180 × 35mm (8.5 × 7.1 × 1.4in.)	80 to 2000rpm	IP62	2.5kg (5.5 lb.)	5/10/15/20W	100-240V

**OPERATING CONDITIONS** are -10° to +40°C at 95% RH.  
100-240V units contain a cord set with various plugs

## Thermo Scientific Cimarec i Poly 15 & Multipoint Stirrers

**100% maintenance and wear-free stirrers available in platforms with up to 15 positions**



- Ideal for mass screening applications and other applications requiring multiple stirring points
- Inductive drive stirrers offer 100% maintenance and wear-free features in a fully synchronized multipoint platform
- Large, flat easy-to-clean work surfaces
- Precise microprocessor control with bright digital display
- Easily recall last used settings
- Gradual start acceleration is gentle and ensures good magnetic coupling

### Cimarec i Poly 15 Stirrer

- Rugged powder-coated stainless-steel housing
- Stir speeds up to 990rpm
- Suitable for 15 × 250mL beakers or 6 × 1L flasks

### Cimarec i Multipoint 6/15 Stirrers

- IP64 protection rated; easily cleaned with running water
- Easy-to-clean, chemical resistant, sealed stainless steel housing
- Chemical resistant, sealed stainless-steel housing
- Adjustable power settings are separate from the speed control that decreases power consumption and lowers heat output
- Smooth and even stirring as low as 80rpm and up to 2000rpm
- Stir volumes up to 3L per multipoint

**Warranty<sup>Y</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	No. of Stirring Positions	Power Settings	Overall L x W x H	Stirring Speed	Protection Class	Weight	Electrical
<b>50094596</b>	Poly 15	15	10w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 990rpm	IP32	6kg	100-240V
<b>50093557</b>	Multipoint 6	6	5/10/15/20w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	80 to 2000rpm	IP62	7.5kg	100-240V
<b>50093538</b>	Multipoint 15	15	5/10/15/20w	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	80 to 2000rpm	IP62	7.5kg	100-240V

**OPERATING CONDITIONS:** -5 to +40°C at 95% rH; 100-240 V units contain a cord set with various plugs



## Thermo Scientific Cimarec i Telesystem Multipoint Stirrers

**Designed for use with aggressive media, in high humidity environments and for integration with incubators and controlled climate chambers**



- All models submersible for use in water baths up to 50°C as well as incubators (including CO<sub>2</sub>), and in refrigerators
- Inductive drive is 100% wear and maintenance free and ensures completely synchronized stirring at all positions
- 6-, 15- or 60-position stirrers
- IP68 protection rated; easily cleaned with running water
- Smooth and even stirring from 100rpm up to 2000rpm
- Stir volumes up to 2L per multipoint
- External controllers decrease power consumption and lower heat output
- Chemical resistant, sealed stainless-steel housing
- Easy recall of last used settings

### Controller Choices

The Cimarec i Telesystem multipoint stirrers come standard with your choice of controller. Choose the Cimarec i Telemodul 20C controllers with microprocessor controls, adjustable power setting, and programmability or the Cimarec i Telemodul 40C controllers with higher speeds, more power settings, and PC control.

**Warranty<sup>Y</sup>:** Five years  
**Certifications:** CE

Cat. No.	Model	Protection Class	Power Setting	Stir Volume per point	Overall L x W x H	Stirring Speed	Weight	Electrical
<b>50088077</b>	Telesystem 6 Position w/Telemodul 20C	IP 68	5/10/15/20w	1-1500ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088078</b>	Telesystem 6 Position w/Telemodul 40C	IP 68	4-40w	1-2000ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V
<b>50088034</b>	Telesystem 15 Position w/Telemodul 20C	IP 68	5/10/15/20w	1-1000ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088036</b>	Telesystem 15 Position w/Telemodul 40C	IP 68	4-40w	1-1200ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V
<b>50088009</b>	Telesystem 60 Position w/Telemodul 20C	IP 68	5/10/15/20w	0.1-50ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	130 to 1400rpm	7.5kg (16.5 lb.)	100-240V
<b>50088011</b>	Telesystem 60 Position w/Telemodul 40C	IP 68	4-40w	0.1-100ml	420 × 240 × 35mm (16.5 × 9.4 × 1.4in.)	100 to 2000rpm	8kg (17.6 lb.)	100-240V

**OPERATING CONDITIONS:** -10° to +56°C at 100%RH in air; 0° to 50°C submerged in water.  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Stirrer Accessories



### Thermo Scientific Cimarec i Bath Mounts

Cat. No.	Material	Dimensions (L x W x H)	Capacity	Operating Temp.	For Use With
<b>50087880</b>	Transparent Acrylic	610 × 330 × 185mm (24 × 13 × 7.3in.)	15L (3.9 gal.)	0° to 60°C	Telesystem Cimarec i Stirrers
<b>50087882</b>	Stainless Steel	520 × 315 × 160mm (20.4 × 12.4 × 6.3in.)	15L (3.9 gal.)	-10 to +200°C	Telesystem Cimarec i Stirrers



### Thermo Scientific Cimarec i Test Tube Racks

Cat. No.	Material	For Use With
<b>50087960</b>	Stainless Steel	25mm tubes in Telesystem Cimarec i Stirrers
<b>50087955</b>	Stainless Steel	16mm tubes in Telesystem Cimarec i Stirrers



### Thermo Scientific Cimarec i Benchtop Distributors



- Ensure identical operating conditions for multiple stirrer installations
- Even power distribution for synchronized stirring
- Benchtop distributors ensure identical operating conditions for multiple stirrer installations.
- Simultaneous control of 2, 4, 6 or 8 Mini, Micro or Compact series stirrers using a single Cimarec i Telemodule 20C or Cimarec i Telemodule 40C external controller
- Simultaneous control of 2 or 4 Maxi series stirrers using a single Cimarec i Telemodule 20C or Cimarec i Telemodule 40C external controller
- Even power distribution for synchronized stirring

Cat. No.	Model
<b>50091720</b>	4-Place Distributor
<b>50091721</b>	8-Place Distributor

### Thermo Scientific Cimarec Extension Cables

Cat. No.	Model	Length	Compatibility
<b>50088016</b>	4-Pin Extension Cable	3m (9.8ft.)	Cimarec i Telemodule 20C, 40C and Cimarec Telemodule 10M Controllers
<b>50088021</b>	6-Pin Extension Cable	3m (9.8ft.)	Cimarec Telemodule Biosystem 40B Controller
<b>50088102</b>	8-Pin Extension Cable	3m (9.8ft.)	Cimarec Telemodule 40M and 80M Controllers

## Thermo Scientific Cimarec i Telemodul Controllers

Included with the Cimarec i Micro, Mini, Compact, and Maxi Stirrers

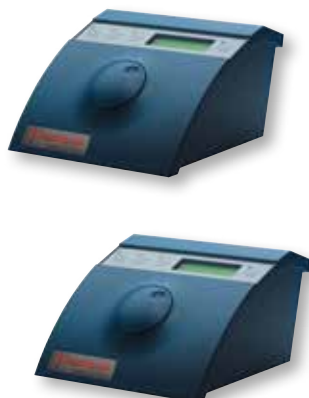


- Order as replacement controller only.
- Single point stirring power for small to medium volumes (up to 250mL)

Cat. No.	Stirring Speed	Speed Control Accuracy	Stirring Power Relative to Rated Power	Ambient Temp. Range	Overall L x W x H	Weight	Electrical
<b>50119115</b>	130 to 1000rpm	±3	100%	0° to 40°C @ 80% relative humidity	96 × 63 × 50mm (3.7 × 2.4 × 1.9in.)	0.4kg (0.8 lb.)	230V/12V DC 7W
<b>50119119</b>	130 to 1000rpm	±3	100%	0° to 40°C @ 80% relative humidity	96 × 63 × 50mm (3.7 × 2.4 × 1.9in.)	0.4kg (0.8 lb.)	115V/12V DC 7W

## Thermo Scientific Cimarec i Telemodul 40C and 20C Controllers

Included with the Cimarec i Micro, Mini, Compact, Maxi and Telesystems Stirrers



- Order as replacement controller only
- High speeds and power settings for more demanding stirring tasks
- Single-handed operation with straightforward turn and press adjustment wheel
- Three individual program, store and recall keys for rapid start-up
- Last used settings stored in memory
- Rocking/shake mode reverses stir bar direction for a gentle back and forth stirring motion
- Four power settings to decrease power consumption and lower heat output
- 10 power settings (40C model) and four power settings (20C model) to decrease power consumption and lower heat output
- RS-232 interface for data transfer and PC control (40C model only)

Cat. No.	Stirring Speed	Speed Control Accuracy	Rated Power	Stirring Power Relative to Rated Power	Ambient Temp. Range	Starting Times/ Pause Times	Output Voltage	Overall L x W x H	Weight
<b>50090774</b>	100 to 2000rpm	±1	40w	10 to 100 (10 levels)	0° to 40°C @ 80% relative humidity	5 sec. to 60 min.	36V DC	165 × 155 × 95mm (6.4 × 6.1 × 3.7in.)	0.7kg (1.5 lb.)
<b>50090773</b>	130 to 1400rpm	±1	20w	25/50/75/100 (4 levels)	0° to 40°C @ 80% relative humidity	5 sec. to 60 min.	20V DC	165 × 155 × 95mm (6.4 × 6.1 × 3.7in.)	0.6kg (1.3lb.)

## Thermo Scientific Cimarec Biosystem Slow Speed Stirrer for Cell Culture

Gentle stirring of microcarrier cultures, culture broths and cell suspensions inside your CO<sub>2</sub> incubator



- Hermetically sealed housing resists microorganisms — separate external controller ensures only the hermetically sealed stirrer is exposed to the CO<sub>2</sub> environment
- Heatless operation will not compromise the incubator chamber conditions
- Stainless-steel housing is easy to clean and resists aggressive media
- Gradual low-shear acceleration on start-up
- Smooth and even stirring as low as 5rpm
- Adjustable controller power settings decrease power consumption and lower heat output
- Single position stirrers stir up to 20L; Four-position stirrers stir up to 5L per position

### Required Cimarec Biosystem 40B Controller:

**50118915** – 230V Germany

**50118918** – 230V UK

**50118921** – 230V China

**50118916** – 230V Italy

**50118919** – 230V Switzerland

**50126086** – 115V US

**50118917** – 230V Denmark

**50118920** – 230V Australia

Cat. No.	Model	Dimensions (L x W x H)	Weight	Stir Speed	Protection Class	Power Setting
<b>50119113</b>	Biosystem w/o Controller	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP68	0.4 to 4w
<b>50119114</b>	Biosystem 4-Position w/o Controller	330 × 330 × 60mm (12.9 × 12.9 × 2.4in.)	9.4kg (20.7 lb.)	5 to 120rpm	IP68	0.4 to 4w

## Thermo Scientific Cimarec Biosystem Direct Slow Speed Stirrer

Gentle stirring outside of a CO<sub>2</sub> incubator



- Heatless operation protects heat-sensitive cell culture
- Stainless-steel housing is easy to clean and resists aggressive media
- Gradual low-shear acceleration on start-up
- Smooth and even stirring as low as 5rpm
- Single position stirrers stir up to 5L; Four-position stirrers stir up to 2L per position
- Built-in controller

**Warranty<sup>1</sup>:** Five years

**Certifications:** CE marked

Cat. No.	Model	Dimensions (L x W x H)	Weight	Stir Speed	Protection Class	Electrical	Power Setting
<b>50088071</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V Euro	1w
<b>50088058</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	115V USA	1w
<b>50088057</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V UK	1w
<b>50088064</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	230V Australia	1w
<b>50101524</b>	Biosystem 1-Position Direct	180 × 180 × 60mm (7 × 7 × 2.4in.)	3.4kg (7.5 lb.)	5 to 120rpm	IP64	100V Japan	1w
<b>50088061</b>	Biosystem 4-Position Direct	330 × 330 × 60mm (12.9 × 12.9 × 2.4in.)	11kg (24.3 lb.)	5 to 120rpm	IP64	100-240V	0.05w (x4)

**OPERATING CONDITIONS:** **Biosystem:** Operating conditions are -10 to +56°C at 100% rH; **Biosystem Direct:** -10 to +40°C at 95% rH; 100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Mobil 10 and Mobil 25 Large Volume & Power Direct Stirrers

**Ideal for hard to stir viscous liquids up to 10L or 40L depending on model with Quick Stop function to stop the drive within three seconds, minimizing after runs and reducing the risk of breakage**



### Cimarec Mobil 10

- Compact space-saving design
- Gradual low-shear acceleration on start-up
- Stirring volume: 100mL to 20L

### Cimarec Mobil 25

- Ideal for high temperatures up to 121°C and high pressure applications up to 2 bars (29psi)
- Stirring volume: 100mL to 25L
- Can be used in autoclaves, water baths and climatic chambers
- Perfect for use on sterilized media ensuring even heating and cooling
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Gradual low-shear acceleration on start-up

### Cimarec Power Direct (no controller required)

- Ideal for high-capacity (up to 40L) stirring
- Integrated controller has an adjustable power setting that decreases power consumption and lowers heat output
- Sealed stainless-steel housing is easy to clean and chemical resistant

**Required Accessories:** Cimarec Telemodul 10M controller (#50019120 or #50019121) (Only required for Cimarec Mobil 10 and 25 models)

**Warranty:** Five years

**Certifications:** CE

Cat. No.	Model	Overall Dimensions	Stir Speed	Stir Capacity	Operating Temp.	Weight	Protection Class	Power Setting	Electrical
<b>50119111</b>	Mobil 10 w/o controller	128 × 32mm (5 × 1.3in.)	100 to 1000 rpm	20L	-10° to +56°C	0.7kg (1.5 lb.)	IP66	10w	–
<b>50119112</b>	Mobil 25 w/o controller	128 × 32mm (5 × 1.3in.)	100 to 1000 rpm	25L	-10° to +121°C	1.7kg (3.7 lb.)	IP68	10w	–
<b>50098760</b>	Power Direct	295 × 240 × 35mm (11.6 × 9.4 × 1.4in.)	100 to 2000 rpm	40L	-10° to +40°C	2.5kg (5.5lbs)	IP22	5/10/15/20w	100-240V

**OPERATING CONDITIONS:** Mobil 10: -10 to 56°C ; Mobil 25: -10 to 121°C; Power Direct: -10 to 40°C  
100-240 V units contain a cord set with various plugs

## Thermo Scientific Cimarec Telemodul 10M Controller

Cat. No.	Stir Speed	Stir Capacity	Electrical	For use with
<b>50119120</b>	100 to 1000 rpm	10L	230V	Mobil 10 and Mobil 25
<b>50119121</b>	100 to 1000 rpm	10L	115V US	Mobil 10 and Mobil 25



## Thermo Scientific Cimarec Mobil Direct, Mobil 200 and Mobil 600 Large Volume Stirrers

### Outstanding stirring power for high-volume applications



- For use in pilot plant or integrated with process equipment
- Quick Stop function stops the drive within three seconds, minimizing after runs and risk of vessel breakage
- Easy-to-clean, chemical resistant, sealed stainless-steel housing
- Maximum shaft torque is 30Ncm for the Mobil Direct and 50Ncm for the Mobil 200 and 600
- Mobil Direct can stir up to 150L and features an integrated controller with adjustable power settings
- Mobil 200 can stir up to 200L; Mobil 600 can stir up to 600L

**Required Accessories:** The Cimarec Mobil 200 and 600 require either the Cimarec Telemodule 40M or 80M controller (order separately).

**Warranty\*:** Five years

**Certifications:** CE

Cat. No.	Description	Stir Speed	Power Settings	Type	Dimensions	Weight	Electrical
50088131	Mobil Direct	100 to 1000rpm	40w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	115V USA
50088128	Mobil Direct	100 to 1000rpm	40w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	230V Euro
50088129	Mobil Direct	100 to 1000rpm	40w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	100V Japan
50100547	Mobil Direct	100 to 1000rpm	40w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	230V UK
50119109	Mobil 200 w/o Controller	100 to 1000rpm	80w	IP65	180 × 180 × 80mm (7 × 7 × 3.4in.)	6kg	—
50119110	Mobil 600 w/o Controller	100 to 1000rpm	80w	IP65	330 × 330 × 80mm (13 × 13 × 3.4in.)	16kg	—

**OPERATING CONDITIONS:** Mobil Direct: -10 to +40°C at 95% rH; Mobil 200 & 600: -10 to +56°C at 100% rH

## Thermo Scientific Cimarec 40M and 80M Telemodule Controllers



- Constant speeds, even during viscosity changes
- High visibility digital display
- Thermal and electrical overload protection, with fault alert

Cat. No.	Stirring Range	Voltage
<b>Cimarec 40M Controllers (40w)</b>		
50118901	100 to 1000rpm	230V Germany
50118903	100 to 1000rpm	230V Denmark
50118904	100 to 1000rpm	230V UK
50118905	100 to 1000rpm	230V Swiss
50118906	100 to 1000rpm	230V Australia
50118907	100 to 1000rpm	230V China
50119122	100 to 1000rpm	110V Japan
50119123	100 to 1000rpm	115V US

Cat. No.	Stirring Range	Voltage
<b>Cimarec 80M Controllers (80w)</b>		
50118908	100 to 1000rpm	230V Germany
50118909	100 to 1000rpm	230V Italy
50118911	100 to 1000rpm	230V UK
50118912	100 to 1000rpm	230V Swiss
50118913	100 to 1000rpm	230V Australia
50119124	100 to 1000rpm	110V Japan
50119125	100 to 1000rpm	115V US

## Thermo Scientific Explosion-Proof Series

**Deliver the highest protection for hazardous applications, including Class I, Group C and D flammable gases or solvent vapors**



- Features over-temperature safety monitors, precise thermostatic controls and sealed aluminum housing
- Corrosion-resistant steel case for easy cleaning and maintenance
- Sturdy construction allows maximum load capacity, 25 lb. (11.3kg) on top plate

### SAFE-T HP6 Hotplates

- Thermostatic safety is set at 243°C (469.4°F) for added protection
- Maintains temperature within  $\pm 5.5^{\circ}\text{C}$  ( $9.9^{\circ}\text{F}$ )
- Sealed aluminum housing contains and protects controls
- Cast aluminum top plate maximizes heat transfer and uniformity ( $\pm 6.5^{\circ}\text{C}$  or  $11.7^{\circ}\text{F}$ )

### SAFE-T SHP9 Stirring Hotplates

- Feature thermostatic control, over-temperature safety monitors and precise temperature stability
- Large, aluminum top plate surface provides efficient heat transfer
- Precise electronic heat control maintains temperature stability within  $\pm 2^{\circ}\text{C}$  ( $\pm 4^{\circ}\text{F}$ )
- Stir solutions with a viscosity of 1200cp at 400rpm (at  $21.5^{\circ}\text{C}$ )
- Stainless-steel case is easily cleaned and maintained and accommodates a metal vessel

### Safe-T S20 Stirrer

- Designed for stirring viscous solutions and suspensions
- Accommodates vessels with a capacity of 1.58 gal. (6L)
- Sturdy construction to handle a maximum load of 25 lb. (11.3kg) on the top plate

**Includes:** Stirrer unit and one 2 x 0.38 in. (5 x 1cm) PTFE-coated stir bar

**Warranty:** Three years

**Compliance:** Meets IEC1010 laboratory standards

**Certifications:** UL listed. Safe for Class 1, Group C and D flammable gases or solvent vapors

Cat. No.	Model	Surface Dimensions	Surface Material	Stirring Speed	Temp. Range	Overall Dimensions	Weight	Electrical
<b>HP11515B</b>	SAFE-T HP6 Hotplate	15.6 x 15.6cm (6.13 x 6.13in.)	Aluminum	—	38° to 220°C (100° to 428°F)	32.4 x 28.3 x 20cm (12.8 x 11.1 x 7.9in.)	13.6kg (30 lb.)	120V 50/60Hz; 600w; 5A
<b>SP87325</b>	SAFE-T SHP9 Stirring Hotplate	(23.2 x 23.2cm) (9.1 x 9.1in.)	Aluminum	60 to 1200rpm	38° to 220°C (100° to 428°F)	32.4 x 25.4 x 20.8cm (12.8 x 10 x 8.1in.)	13.6kg (30 lb.)	120V 50/60Hz, 1070w, 8.9A
<b>S108525</b>	SAFE-T S20 Stirrer	25.4 x 25.4cm (10 x 10in.)	Ceramic	60 to 1200rpm	—	32.4 x 28.3 x 20cm (12.8 x 11.1 x 7.9in.)	13.6kg (30 lb.)	120V 50/60Hz; 70w; 0.6A

## Thermo Scientific Aluminum-Top Hotplates

### Cast-aluminum top for maximum heat transfer, strength and corrosion resistance



- Equipped with thermostatic temperature control
- Baffle-vented welded stainless-steel case

**Warranty<sup>Y</sup>:** Three years

**Certifications:** UL listed (120V model)

**Notes:** Recommended for use with glass vessels only.

Cat. No.	Heating Surface Area	Temperature Range	Temp. Uniformity	Overall L x W x H	Volts
<b>HPA1915BQ</b>	15.9cm <sup>2</sup> (6.25 sq.in.)	38° to 371°C (100° to 700°F)	±2.4°C at 100°C	19.4 x 16.8 x 11.1cm (7.63 x 6.63 x 4.38in.)	120V
<b>HPA1910MQ</b>	15.9cm <sup>2</sup> (6.25 sq.in.)	38° to 371°C (100° to 700°F)	±2.4°C at 100°C	19.4 x 16.8 x 11.1cm (7.63 x 6.63 x 4.38in.)	240V

## Thermo Scientific Large External-Controlled Hotplates

### Uniform heating of large volumes and multiple vessels



- External controller operates outside fume hoods
- Robust design for safety; large capacity with excellent temperature stability
- Porcelain-coated, stainless-steel top and case offer chemical and stain resistance
- Chemical-resistant cover protects line cord
- Isolation of controls allows operation in hazardous environments
- Percentage input controller delivers infinite temperature selection
- Power light indicates when control is operating

**Warranty<sup>Y</sup>:** Three years

**Includes:** 5ft. (1.5m) 3-wire cord and plug

Cat. No.	Heating Surface	Temp. Range	Temp. Stability	Temperature Uniformity	Electrical Requirements
<b>RC2235Q</b>	30.5 x 30.5cm (12 x 12in.)	150° to 371°C (300° to 700°F)	±5°C (9°F)	±10°C (18°F) (at 150°C)	120V 50/60Hz, 1600w, 13.3A
<b>RC2240Q</b>	30.5 x 60.9cm (12 x 24in.)	150° to 371°C (300° to 700°F)	±5°C (9°F)	±10°C (18°F) (at 150°C)	240V 50/60Hz, 3200w, 13.3A

## Thermo Scientific 2200 Series Aluminum Top Hotplates

Ideal for large-volume heating applications requiring precise temperature stability, including acid base digestion, sample drying, general reagent heating, heating TLC plates, and evaporations



- Large, aluminum heating surface, thermostatic temperature controls for outstanding temperature uniformity and stability
- Cycle light indicates when power is being supplied to heating element
- Stainless-steel case provides safe, reliable construction and optimal strength for heavy loads
- Epoxy-painted surface increases chemical resistance in corrosive environments

**Warranty<sup>Y</sup>:** Three years

**Certifications:** UL listed

**Alert:** Recommended for use with glass vessels only.

Cat. No.	Heating Surface Area	Temp. Range	Temp.Stability (at 100°C)	Temp.Uniformity (at 100°C)	Overall L x W x H	Electrical
<b>HPA2235MQ</b>	30.5 x 30.5cm (12 x 12in.)	38° to 371°C (100° to 700°F)	±3.0°C (5.4°F)	±4.0°C (7.2°F)	33 x 30.5 x 15.6cm (13 x 12 x 6.13in.)	120V 50/60Hz, 1600w, 13.3A
<b>HPA2230MQ</b>	30.5 x 30.5cm (12 x 12in.)	38° to 371°C (100° to 700°F)	±3.0°C (5.4°F)	±4.0°C (7.2°F)	33 x 30.5 x 15.6cm (13 x 12 x 6.13in.)	240V 50/60Hz, 1600w, 6.7A
<b>HPA2245MQ*</b>	30.5 x 60.9cm (12 x 24in.)	38° to 371°C (100° to 700°F)	±3.5°C (6.3°F)	±10°C (18°F)	34.9 x 60.9 x 15.9cm (13.75 x 24 x 6.25in.)	120V 50/60Hz, 3200w, 26.6A
<b>HPA2240MQ</b>	30.5 x 60.9cm (12 x 24in.)	38° to 371°C (100° to 700°F)	±3.5°C (6.3°F)	±10°C (18°F)	34.9 x 60.9 x 15.9cm (13.75 x 24 x 6.25in.)	240V 50/60Hz, 3200w, 13.3A

\*12x24 top plate models not supplied with cord and plug due to high-wattage consumption requirements. Must be hard wired.

## Thermo Scientific Large Volume Stirrer

Reach speeds up to 2400rpm



- Polished stainless-steel construction resists corrosion
- Digital speed settings
- Stirring capacity up to 200L
- Accommodates stir bars from 1.5 to 6in. (4 to 15cm); sold separately
- Top surface has ridged non-slip white rubber mat

Warranty\*: Three years

Cat. No.	Speed	Capacity	Top Plate Surface Area	Electrical
1295Q	Up to 2400rpm	Up to 200L	46 x 46cm (18 x 18in.)	120V, 50/60Hz

## Thermo Scientific Cimarec Komet Stir Bars

Generate over three times the torque of conventional stirring bars



- Significantly enhance stirrer performance and applications versatility
- High-energy Samarium-Cobalt (SmCo) magnetic core
- Excellent mixing action at high speeds, and with viscous media
- Evenly coated PTFE surface prevents residue deposits
- Sterilize with steam to 249.8°F (121°C)

Cat. No.	Description	Shape	Outside Dia. x Length
50087902	Cimarec Komet Stir Bar 90, 1 pack	Round	25mm x 90mm
50087909	Cimarec Komet Stir Bar 50, 1 pack	Round	21mm x 50mm
50087930	Cimarec Komet Stir Bar 30, 1 pack	Round	13mm x 30mm
50087924	Cimarec Komet Stir Bar 15, 1 pack	Round	9mm x 15mm
50093336	Cimarec Komet Stir Bar 90 with glide ring, 1 pack	Round, with glide ring	31mm x 90mm
50093335	Cimarec Komet Stir Bar 50 with glide ring, 1 pack	Round, with glide ring	26mm x 50mm
50093334	Cimarec Komet Stir Bar 30 with glide ring, 1 pack	Round, with glide ring	17mm x 30mm

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