

## Thermo Scientific Hot Plates, Stirrers and Stirring Hot Plates

>> *Performance, technology and safety*



**Dependable Performance.  
Unmatched Safety.  
Exceptional Value.**

**The success of your work demands precision and control.**

Thermo Scientific Cimarec<sup>®</sup>, Super-Nuova<sup>™</sup> and RT<sup>™</sup> Series deliver results with an extensive selection of hot plates, stirrers and stirring hot plates. An impressive combination of superior performance, advanced safety and operational simplicity makes it easy to find the perfect instrument for your laboratory requirements.

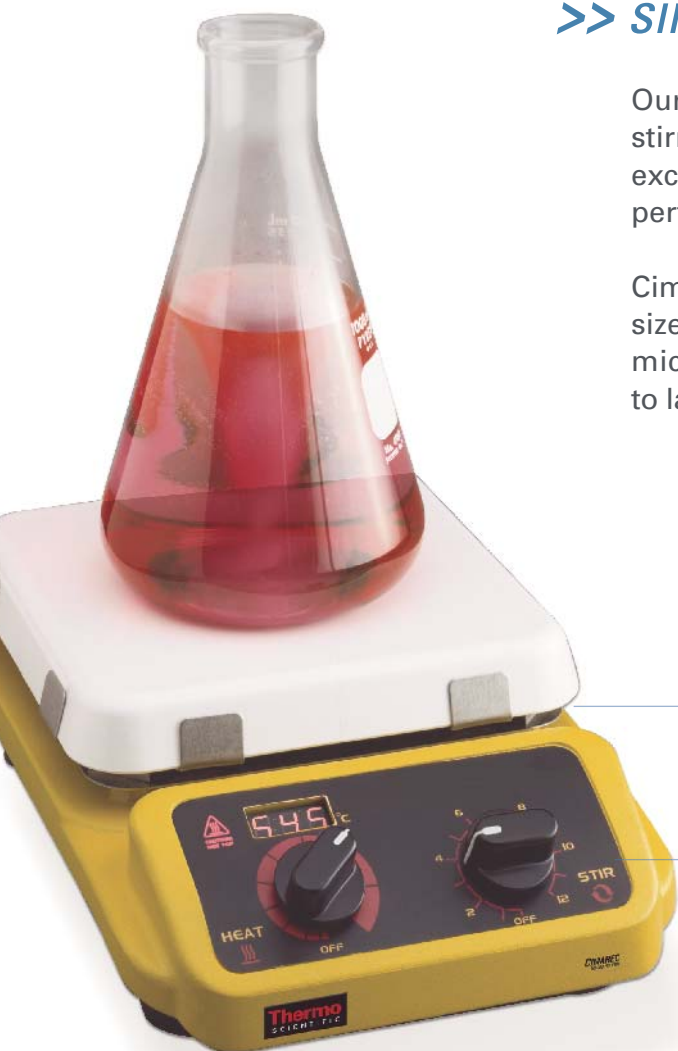
- ▶ **Exceptional performance**  
Easy-to-read digital controls set the industry standards for accuracy and repeatability
- ▶ **Intelligent technology**  
Patented Thermo Scientific StirTrac<sup>™</sup> technology delivers outstanding precision and consistency
- ▶ **Uncompromising safety**  
Exclusive HOT TOP Warning System ensures ultimate workplace safety

# Thermo S THERMO SCIENTIFIC CIMAREC

>> *simplicity, safety and value*

Our Cimarec Series digital stirrers, hot plates and stirring hot plates offer precise stirring control, exceptional safety and superior temperature performance for your routine protocols.

Cimarec is available in three sizes offering flexibility from microscale chemistries to larger vessels.



*Ultra-flat top and high wattage heating deliver superior heat transfer and a fast time-to-boil.*

*Intuitive digital display indicates temperature settings which are adjustable in 5°C increments from 5°C up to 540°C (41°F to 1,004°F).*

## Advanced technology

- StirTrac features innovative Thermo Scientific engineering for excellent slow-speed stirring, consistent speed control and stronger magnetic coupling
- Instant braking quickly stops the stir bar for immediate flask removal
- Unique HOT TOP Warning System protects from accidental burns with prominent display when heating surface is above 50°C (122°F)

## Flexible and robust design

- Sturdy low-profile cast aluminum provides stability and durability
- Variable sizes for different sample weights



Flashing HOT TOP Warning System alerts users and passers-by when surface is above 50°C (122°F) while unit is off for exceptional workplace safety.

Microprocessor-controlled feedback sensor technology maintains consistent temperature.

# cientific Cimarec

Cat. No.	Description	Surface Type	Volts/HZ	Stir Range RPM	Max Surface Temp °C	Max Container Size (L)	Max Sample Load lb. (kg)	Shipping Weight lb.(kg)
<b>4" x 4" Cimarec</b>								
<i>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)</i>								
HP130915Q	Hot plate	Ceramic top	120/60	NA	540	1	15 (6.8)	7 (3.2)
HP130910-33Q	Hot plate	Ceramic top	220-240/50-60	NA	540	1	15 (6.8)	7 (3.2)
HP130914Q	Hot plate	Ceramic top	100/50-60	NA	540	1	15 (6.8)	7 (3.2)
S130815Q	Stirrer	Ceramic top	120/60	60-1200	NA	1	15 (6.8)	7 (3.2)
S130810-33Q	Stirrer	Ceramic top	220-240/50-60	60-1200	NA	1	15 (6.8)	7 (3.2)
S130814Q	Stirrer	Ceramic top	100/50-60	60-1200	NA	1	15 (6.8)	7 (3.2)
SP131015Q	Stirring hot plate	Ceramic top	120/60	60-1200	540	1	15 (6.8)	7 (3.2)
SP131010-33Q	Stirring hot plate	Ceramic top	220-240/50-60	60-1200	540	1	15 (6.8)	7 (3.2)
SP131014Q	Stirring hot plate	Ceramic top	100/50-60	60-1200	540	1	15 (6.8)	7 (3.2)
<b>7" x 7" Cimarec</b>								
<i>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)</i>								
HP131225Q	Hot plate	Ceramic top	120/60	NA	540	4	25 (11.3)	11 (5)
HP131220-33Q	Hot plate	Ceramic top	220-240/50-60	NA	540	4	25 (11.3)	11 (5)
HP141925Q	Hot plate	Aluminum top	120/60	NA	300	4	25 (11.3)	11 (5)
HP131224Q	Hot plate	Ceramic top	100/50-60	NA	540	4	25 (11.3)	11 (5)
HP141924Q	Hot plate	Aluminum top	100/50-60	NA	300	4	25 (11.3)	11 (5)
S131125Q	Stirrer	Ceramic top	120/60	60-1200	NA	4	25 (11.3)	11 (5)
S131120-33Q	Stirrer	Ceramic top	220-240/50-60	60-1200	NA	4	25 (11.3)	11 (5)
S131124Q	Stirrer	Ceramic top	100/50-60	60-1200	NA	4	25 (11.3)	11 (5)
S142124Q	Stirrer	Aluminum top	100/50-60	60-1200	NA	4	25 (11.3)	11 (5)
SP131325Q	Stirring hot plate	Ceramic top	120/60	60-1200	540	4	25 (11.3)	11 (5)
SP131320-33Q	Stirring hot plate	Ceramic top	220-240/50-60	60-1200	540	4	25 (11.3)	11 (5)
SP142025Q	Stirring hot plate	Aluminum top	120/60	60-1200	300	4	25 (11.3)	11 (5)
SP131324Q	Stirring hot plate	Ceramic top	100/50-60	60-1200	540	4	25 (11.3)	11 (5)
SP142024Q	Stirring hot plate	Aluminum top	100/50-60	60-1200	300	4	25 (11.3)	11 (5)
<b>10" x 10" Cimarec</b>								
<i>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)</i>								
HP131535Q	Hot plate	Ceramic top	120/60	NA	540	6	35 (15.9)	13.75 (6.2)
HP131530-33Q	Hot plate	Ceramic top	220-240/50-60	NA	540	6	35 (15.9)	13.75 (6.2)
HP131534Q	Hot plate	Ceramic top	100/50-60	NA	540	6	35 (15.9)	13.75 (6.2)
S131435Q	Stirrer	Ceramic top	120/60	60-1200	NA	6	35 (15.9)	13.75 (6.2)
S131430-33Q	Stirrer	Ceramic top	220-240/50-60	60-1200	NA	6	35 (15.9)	13.75 (6.2)
S131434Q	Stirrer	Ceramic top	100/50-60	60-1200	NA	6	35 (15.9)	13.75 (6.2)
SP131635Q	Stirring hot plate	Ceramic top	120/60	60-1200	540	6	35 (15.9)	13.75 (6.2)
SP131630-33Q	Stirring hot plate	Ceramic top	220-240/50-60	60-1200	540	6	35 (15.9)	13.75 (6.2)



## Flexible features and maximum benefits

With the industry's largest breadth of features and options, our Cimarec, Super-Nuova and RT Series support all your applications – from basic stirring needs to the most precise high-temperature heating and control. Optimize your process and customize your workflow.

	Cimarec	Super-Nuova	RT	RT-Elite	Benefit
<b>Safety Features</b>					
Unique Cast Aluminum Body Design	•	•	•	•	Guides any spilled liquids away from electronics, protecting the circuitry
Patented HOT TOP Warning System	•	•	•	•	Visual warning system eliminates burns
Low Profile Design	•	•	•	•	Stable and rugged base prevents tipping and spillage
Walk-Away Timer		•		•	Automatic, unattended operation
User-Adjustable Over-Temperature Protection		•	•	•	Prevents overheating, short circuiting and internal damage in case of overflow protecting samples
<b>Control Features</b>					
Digital Stir Display		•		•	Precise repeatable stirring control
Digital Temperature Display	•	•	•	•	Precise and easy-to-read
Microprocessor-Controls	•	•	•	•	Improved heating efficiency
Pre-Set Controls		•		•	Convenience and time savings for repeated experiments
<b>Performance Features</b>					
Patented Stir-Trac Technology	•	•	•	•	Exceptional slow-speed stirring, strong magnetic coupling and immediate stir bar breaking for quick flask removal
High-Wattage Heating	•	•	•	•	Fast time-to-boil
Seamless Reflective Ceramic Top	•	•			Improved sample visibility
External Temperature Probe		•	•	•	Improved accuracy and repeatability
<b>Flexibility Features</b>					
Top Configuration	Ceramic or Aluminum	Ceramic or Aluminum	Stainless or Aluminum	Stainless or Aluminum	Variety of top plate material for any application
Range of Sizes	3	1 and 4 - position units available	1	1	Ideal for any application
RS-232		•		•	Outputs to PC, gathers data automatically



**Cimarec Series**  
**Exceptional accuracy and value pg. 2**



**Super-Nuova Series**  
**Unparalleled performance and control pg. 5**



**RT Series**  
**Sleek and sophisticated design pg. 7**

# Thermo Scientific

## THERMO SCIENTIFIC SUPER-NUOVA

>> *unparalleled performance*

Our Super-Nuova Series stirrers, hot plates and stirring hot plates provides top-of-the-line performance, superior safety and simple operation.

Super-Nuova is available in two sizes, including a multi-position model with four individually controlled stirring positions. Sophisticated controls and settings are standard for applications that demand advanced precision.



*Our stirring hot plate models feature separate easy-to-read digital displays which indicate temperature settings for heating and stirring, adjustable in 1°C and 1 rpm increments.*

### Sophisticated controls

- Microprocessor display maintains consistent, temperature and stirring speeds
- User-controlled calibration sets remote probe to external standards and temperature
- User-programmable preset buttons quickly recall up to four frequently used temperatures and/or stirring speeds
- RS232 port outputs time count, temperature and set point directly to your PC

### Advanced technology

- StirTrac features innovative Thermo Scientific engineering for excellent slow-speed stirring, consistent speed control, and stronger magnetic coupling. Instant braking quickly stops the stir bar for immediate flask removal
- Unique HOT TOP Warning System protects from accidental burns with prominent display when heating surface is above 50°C (122°F)

### Exceptional safety and protection

- Single knob design controls both heating and stirring. Lock-out feature avoids accidental control adjustments
- Walk-away timer shuts off heating, stirring or both after a preset user-defined interval
- Independently adjustable over-temperature protection prevents runaway conditions

# Specific Super-Nuova

Cat. No.	Description	Surface Type	Volts/HZ	Stir Range RPM	Max Surface Temp °C	Max Container Size (L)	Max Sample Load lb. (kg)	Shipping Weight lb.(kg)
<b>7" x 7" Super-Nuova</b>								
<i>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)</i>								
HP131725Q	Hot plate	Ceramic top	120/60	NA	370	4	25 (11.3)	11 (5)
HP131720-33Q	Hot plate	Ceramic top	220-240/50-60	NA	370	4	25 (11.3)	11 (5)
HP131724Q	Hot plate	Ceramic top	100/50-60	NA	370	4	25 (11.3)	11 (5)
HP133424Q	Hot plate	Aluminum top	100/50-60	NA	300	4	25 (11.3)	11 (5)
HP133425Q	Hot plate	Aluminum top	120/60	NA	300	4	25 (11.3)	11 (5)
HP133420-33Q	Hot plate	Aluminum top	220-240/50-60	NA	300	4	25 (11.3)	11 (5)
S133325Q	Stirrer	Ceramic top	120/60	50-1200	NA	4	25 (11.3)	11 (5)
S133320-33Q	Stirrer	Ceramic top	220-240/50-60	50-1200	NA	4	25 (11.3)	11 (5)
SP131825Q	Stirring hot plate	Ceramic top	120/60	50-1200	370	4	25 (11.3)	11 (5)
SP131820-33Q	Stirring hot plate	Ceramic top	220-240/50-60	50-1200	370	4	25 (11.3)	11 (5)
SP131824Q	Stirring hot plate	Ceramic top	100/50-60	50-1200	370	4	25 (11.3)	11 (5)
SP133524Q	Stirring hot plate	Aluminum top	100/50-60	50-1200	300	4	25 (11.3)	11 (5)
SP133525Q	Stirring hot plate	Aluminum top	120/60	50-1200	300	4	25 (11.3)	11 (5)
SP133520-33Q	Stirring hot plate	Aluminum top	220-240/50-60	50-1200	300	4	25 (11.3)	11 (5)
<b>10" x 10" Super-Nuova</b>								
<i>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)</i>								
HP133734Q	Hot plate	Ceramic top	100/50-60	NA	370	6	35 (15.9)	13.75 (6.2)
HP133735Q	Hot plate	Ceramic top	120/60	NA	370	6	35 (15.9)	13.75 (6.2)
HP133730-33Q	Hot plate	Ceramic top	220-240/50-60	NA	370	6	35 (15.9)	13.75 (6.2)
S133934Q	Stirrer	Ceramic top	100/50-60	50-1200	NA	6	35 (15.9)	13.75 (6.2)
S133935Q	Stirrer	Ceramic top	120/60	50-1200	NA	6	35 (15.9)	13.75 (6.2)
S133930-33Q	Stirrer	Ceramic top	220-240/50-60	50-1200	NA	6	35 (15.9)	13.75 (6.2)
SP133834Q	Stirring hot plate	Ceramic top	100/50-60	50-1200	370	6	35 (15.9)	17 (7.7)
SP133835Q	Stirring hot plate	Ceramic top	120/60	50-1200	370	6	35 (15.9)	17 (7.7)
SP133830-33Q	Stirring hot plate	Ceramic top	220-240/50-60	50-1200	370	6	35 (15.9)	17 (7.7)
<b>Multi-position Super-Nuova</b>								
S136035Q	Stirrer, 4 position	Ceramic top	120/60	50-1200	NA	4 x 1	25 (11.3)	20.5 (9.3)
S136030-33Q	Stirrer, 4 position	Ceramic top	220-240/50-60	50-1200	NA	4 x 1	25 (11.3)	20.5 (9.3)
SP135935Q	Stirring hot plate, 4 position	Ceramic top	120/60	50-1200	370	4 x 1	25 (11.3)	20.5 (9.3)
SP135930-33Q	Stirring hot plate, 4 position	Ceramic top	220-240/50-60	50-1200	370	4 x 1	25 (11.3)	20.5 (9.3)

- Durable low-profile cast aluminum body protects internal components if spillage occurs
- Variable sizes for different sample weights
- Can be used in a 0 to 27°C, (32 to 80.6°F) 80% relative humidity, non-condensing environment for cold room applications



# THERMO SCIENTIFIC RT AND RT ELITE

## >> smart design and control

Our RT and RT-Elite Series digital plates are designed with a sleek round top for exceptional temperature control and uniformity, along with, the advanced safety and stirring technologies that are the hallmark of the Thermo Scientific brand.

Choose RT Series for standard applications that require digital stirring and remote probe capabilities. Upgrade to RT-Elite Series for high-performance applications that require precise controls.



*User-friendly controls with triple LCD's that display temperature, stir speed and time simultaneously for optimum performance.*

*Solid base for increased stability on lab jacks and benches.*

### Advanced technology

- StirTrac features innovative Thermo Scientific engineering for excellent slow-speed stirring, consistent speed control and stronger magnetic coupling
- Instant braking quickly stops the stir bar for immediate flask removal
- Unique HOT TOP Warning System eliminates accidental burns with prominent display when heating surface exceeds 50°C (122°F)

### Intelligent simplicity

- Ultra-precise temperature and stirring control for exceptional reliability: set temperature within 1.0°C and display of actual temperature within 0.1°C
- Intuitive user interface, featuring single knob design with individual displays controls heating, stirring and timing (RT-Elite Series only)
- User-programmable preset buttons quickly recall up to three temperatures and/or stirring speeds within 1 rpm
- RT-Elite Series adjust temperature in increments of 1°C up to 350°C (662°F); RT Series in increments of 2°C up to 100°C (212°F) and 5°C over 100°C (212°F)
- RS232 port outputs time count, temperature and set point directly to your PC

### Built-in safety and protection

- Walk-away timer shuts off heating, stirring, or both after 1-999 minutes (RT-Elite Series only)
- Innovative temperature control design prevents run-away temperature conditions
- Cord retention bracket prevents loose power cord connections that can cause electrical arcing



# ific RT and RT Elite

Cat. No.	Description	Surface Type	Volts/HZ	Stir Range RPM	Max Surface Temp °C	Max Container Size (L)	Max Sample Load lb. (kg)	Shipping Weight lb.(kg)
<b>5.3" Diameter RT</b>								
<i>Heating Surface (13.5 cm) Overall Dimensions: 6.5" W x 11.2" D x 3.9" H (16.5 X 28.4 X 9.9 cm)</i>								
HP139924Q	Hot plate	Aluminum top	100/50-60	NA	350	4	40 (18)	7.6 (3.4)
HP139925Q	Hot plate	Aluminum top	120/60	NA	350	4	40 (18)	7.6 (3.4)
HP139920-33Q	Hot plate	Aluminum top	220-240/50-60	NA	350	4	40 (18)	7.6 (3.4)
S138924Q	Stirrer	Stainless top	100/50-60	50-1200	NA	4	40 (18)	7.6 (3.4)
S138925Q	Stirrer	Stainless top	120/60	50-1200	NA	4	40 (18)	7.6 (3.4)
S138920-33Q	Stirrer	Stainless top	220-240/50-60	50-1200	NA	4	40 (18)	7.6 (3.4)
SP136324Q	Stirring hot plate	Aluminum top	100/50-60	50-1200	350	4	40 (18)	7.6 (3.4)
SP136325Q	Stirring hot plate	Aluminum top	120/60	50-1200	350	4	40 (18)	7.6 (3.4)
SP136320-33Q	Stirring hot plate	Aluminum top	220-240/50-60	50-1200	350	4	40 (18)	7.6 (3.4)
SP138724Q	Stirring hot plate	Stainless top	100/50-60	50-1200	450	4	40 (18)	7.6 (3.4)
SP138725Q	Stirring hot plate	Stainless top	120/60	50-1200	450	4	40 (18)	7.6 (3.4)
SP138720-33Q	Stirring hot plate	Stainless top	220-240/50-60	50-1200	450	4	40 (18)	7.6 (3.4)
<b>5.3" Diameter RT-Elite</b>								
<i>Heating Surface (13.5 cm) Overall Dimensions: 6.5" W x 11.2" D x 3.9" H (16.5 X 28.4 X 9.9 cm)</i>								
SP136424Q	Stirring hot plate	Aluminum top	100/50-60	50-1200	350	4	40 (18)	7.6 (3.4)
SP138824Q	Stirring hot plate	Stainless top	100/50-60	50-1200	450	4	40 (18)	7.6 (3.4)
SP136425Q	Stirring hot plate	Aluminum top	120/60	50-1200	350	4	40 (18)	7.6 (3.4)
SP138825Q	Stirring hot plate	Stainless top	120/60	50-1200	450	4	40 (18)	7.6 (3.4)
SP136420-33Q	Stirring hot plate	Aluminum top	220-240/50-60	50-1200	350	4	40 (18)	7.6 (3.4)
SP138820-33Q	Stirring hot plate	Stainless top	220-240/50-60	50-1200	450	4	40 (18)	7.6 (3.4)



Flexible remote temperature probe provides versatility for virtually any application.



Redundant temperature control system with user-defined over temperature set point.

>> uniquely powerful Komet magnetic stirring bars

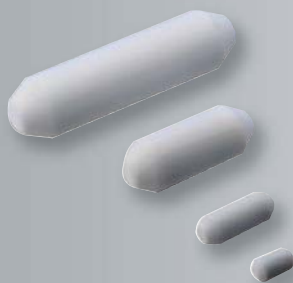
## ACCESSORIES



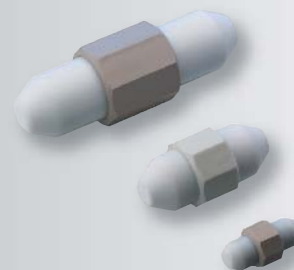
Up to three times the torque of conventional bars

### Thermo Scientific Super-Strong Komet Magnetic Stirring Bars

- High energy Samarium-Cobalt (SmCo) magnetic core
- Superior mixing action at high speeds, and with viscous media
- Evenly coated PTFE surface prevents residue deposits
- Steam sterilizable to 121°C (249.8°F)
- Long-life stirring bars with wear-resistant glide ring
- Significantly enhanced stirrer performance and applications versatility



Standard Komet stirring bars are available in four different sizes.



Our Komet glide-ring stirring bars offer highest wear resistance.

Cat. No.	Model	Shape	Diameter (mm)	Length (mm)
50087902	Komet 90, 1 pack	Round	25	90
50087909	Komet 50, 1 pack	Round	21	50
50087930	Komet 30, 5 pack	Round	13	30
50087924	Komet 15, 5 pack	Round	9	15
50093336	Komet Glide-Ring 90, 1 pack	Round, with glide ring	31	90
50093335	Komet Glide-Ring 50, 1 pack	Round, with glide ring	26	50
50093334	Komet Glide-Ring 30, 1 pack	Round, with glide ring	17	30

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