

Fisher Scientific

Hotplates, Stirrers and Stirring Hotplates



# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

*Find the right stirrer for your application needs*

## Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

*The Fisher Scientific™ Isotemp™ and Isotemp Advanced 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.*

» Isotemp Stirring hotplate



Isotemp Advanced Stirring Hotplate



Isotemp RT Advanced Hotplate Stirrer



### Exceptional performance

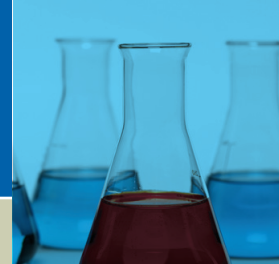
- » Precise control for accuracy and reproducible results

### Intelligent technology

- » PT100 and PT1000 temperature probes provide accurate temperature control

### Dependable safety

- » HOT TOP warning system ensures workplace safety



## Fisher Scientific Isotemp Series

Isotemp stirrers, hotplates and stirring hotplates are designed to provide precise stirring control, exceptional safety and temperature performance for your routine protocols. Available in three sizes, providing flexibility from microscale chemistries to production operations.

### Advanced technology

- » 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
- » Raised display design protects electronics from spills
- » Optional temperature probe and splash guard protection shield
- » Variable sizes for different sample volumes
- » Stir bar is included with stirrer and stirring hotplate models



Isotemp Stirring Hotplate



# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

Consistent, reliable results

## Fisher Scientific Isotemp 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" x 4"	HP88854200	Hotplate	Ceramic	100-120V 50/60Hz	N/A	540	
	HP88854205	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	540	
	HP88854206	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	540	
	S88854200	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88854205	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	S88854206	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	SP88854200	Hotplate stirrer	Ceramic	100-120V 50/60Hz	50-1500	540	
	SP88854205	Hotplate stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	540	
	SP88854206	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	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" x 7"	HP88857200	Hotplate	Ceramic	100-120V 50/60Hz	N/A	540	
	HP88857205	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	540	
	HP88857206	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	540	
	S88857200	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88857205	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	S88857206	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	SP88857200	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	540	
	SP88857205	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	540	
	SP88857206	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	540	
	HP88857204	Hotplate	Aluminum	100-120V 50/60Hz	N/A	300	
	HP88857208	Hotplate	Aluminum	230V 50/60Hz (EU Plug)	N/A	300	
	HP88857209	Hotplate	Aluminum	230V 50/60Hz (UK/AUS/CN Plug)	N/A	300	
	S88857204	Stirrer	Aluminum	100-120V 50/60Hz	50-1500	N/A	
	S88857208	Stirrer	Aluminum	230V 50/60Hz (EU Plug)	50-1500	N/A	
	S88857209	Stirrer	Aluminum	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	SP88857204	Hotplate Stirrer	Aluminum	100-120V 50/60Hz	50-1500	300	
	SP88857208	Hotplate Stirrer	Aluminum	230V 50/60Hz (EU Plug)	50-1500	300	
	SP88857209	Hotplate Stirrer	Aluminum	230V 50/60Hz (UK/AUS/CN Plug)	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" x 10"	HP88850200	Hotplate	Ceramic	100-120V 50/60Hz	N/A	400	
	HP88850205	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	400	
	HP88850206	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	400	
	S88850200	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88850205	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	S88850206	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	SP88850200	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	400	
	SP88850205	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	400	
	SP88850206	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	400	

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

# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

Product specifications



## Fisher Scientific Isotemp Advanced Series

The Isotemp Advanced series stirrers, hotplates and stirring hotplates are designed to provide reliable performance, dependable safety and precise control. Available with optimized controls and settings for applications that demand advanced precision.

### Intuitive design

- » Top plate choices in ceramic or aluminum
- » Raised display design protects electronics from spills
- » Ability to set programs (ramp/dwell) as well as save settings
- » Stainless steel PT100 temperature probe, supporting rod and clamp kit included with both hotplate and stirring hotplate models
- » Stir bar included 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)
- » Temperature adjustable in 1°C increments except when using temperature probe then ability to control in 0.1 degree increments below 100°C



## 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" x 7"	HP88857290	Hotplate	Ceramic	100-120V 50/60Hz	N/A	450	
	HP88857295	Hotplate	Ceramic	230V 50/60Hz (EU Plug)	N/A	450	
	HP88857296	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	N/A	450	
	S88857290	Stirrer	Ceramic	100-120V 50/60Hz	50-1500	N/A	
	S88857295	Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	N/A	
	S88857296	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	N/A	
	SP88857290	Hotplate Stirrer	Ceramic	100-120V 50/60Hz	50-1500	450	
	SP88857295	Hotplate Stirrer	Ceramic	230V 50/60Hz (EU Plug)	50-1500	450	
	SP88857296	Hotplate Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN Plug)	50-1500	450	
	HP88857294	Hotplate	Aluminum	100-120V 50/60Hz	N/A	300	
SP88857294	Hotplate Stirrer	Aluminum	100-120V 50/60Hz	50-1500	300		

# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

*Consistent, reliable results*

## Accessories for Fisher Scientific Isotemp and Isotemp Advanced Series (Pages 3-5)

Cat. No.	Description
CIC0001462	Splash guard protection shield for all Isotemp 4 x 4 Stirrers, Hotplates and Hotplate Stirrers
CIC0001463	Splash guard protection shield for all Isotemp 7 x 7 Stirrers, Hotplates and Hotplate Stirrers
CIC0001464	Splash guard protection shield for all Isotemp 10 x 10 Stirrers, Hotplates and Hotplate Stirrers
CIC0001465	PT100 External probe, 0-400°C, Stainless steel, for all sizes of Isotemp Hotplates and Hotplate Stirrers
CIC0001466	PT1000 External probe (for better accuracy), 0-400°C, Stainless steel, for all sizes of Isotemp Hotplates and Hotplate Stirrers
CIC0001467	Hastelloy PT1000 External probe (for use with acids), 0-400°C, Hastelloy, for all sizes of Isotemp Hotplates and Hotplate Stirrers
CIC0001832	Support rod to be used together with clamps and clamp holder to hold apparatus suitable for all Isotemp hotplates, stirrers and stirring hotplates listed on page 3-5
CIC0001833	Clamp and clamp holder to attach to supporting rod, suitable for all Isotemp hotplates, stirrers and stirring hotplates listed on page 3-5
CIC0001472	Power Cord CHINA 10A 250V PLUG C15
CIC0001474	Power Cord 1MM-2 BRIT 240 10A PE
CIC0001473	Power Cord 18-3 HSJO 10A EURO 86 PE
CIC0001475	Power Cord US and Japan 120V PLUG



# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

Product specifications



## Flexible features. Maximum benefits.

With a wide variety of features and options, the Isotemp Series, Isotemp Advanced Series, and Isotemp RT Series of hotplates, stirrers, and stirring hotplates 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) Isotemp, Isotemp Advanced, Isotemp RT Advanced Series

Hotplates, stirrers, and stirring hotplates	Isotemp Series	Isotemp Advanced Series	Isotemp RT Advanced	Benefit
<b>Safety</b>				
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
<b>Control</b>				
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 0.1 °C 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
<b>Performance</b>				
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
<b>Flexibility</b>				
Range of sizes (inches)	4x4, 7x7, 10x10	7x7	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

# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

*Consistent, reliable results*

## Fisher 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: 120mm, 170mm, 220mm
- » 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.	11-676-263	11-676-264	11-676-265	11-676-266	11-676-267	11-676-268
Plug Configuration						
Mechanism	Brushless DC motor		Brushless DC motor		Brushless DC motor	
Stirring Capacity (H2O)	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)	11-676-272
Non-slip silicone plate cover for items 88880009 and 88880010 (White color, Silicone Ø170cm)	11-676-273
Non-slip silicone plate cover for items 88880011 and 88880012 (White color, Silicone Ø220cm)	11-676-274



Non-slip Silicone Plate Covers





## Fisher Scientific Isotemp RT 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 0.1°C
- » 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.	11-676-257	11-676-258
Plug Configuration		
Temperature Range	Max 350°C / 662°F	
Heating Control	Feedback Control with PID	
Display	LED digital (0.1°C 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 Isotemp RT Hotplate	Cat. No.
Heating Bath	11-676-269
Transparent Shield (PC)	11-676-270
Support Rod (Ø12mm, 400mm, M10)	11-676-271

# Fisher Scientific Hotplates, Stirrers and Stirring Hotplates

*Consistent, reliable results*



## Fisher Scientific Isotemp RT 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.	11-676-259	11-676-260
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 Isotemp RT Basic Hotplate Stirrer

	Cat. No.
Heating Bath	11-676-269
Transparent Shield (PC)	11-676-270
Support Rod (Ø12mm, 400mm, M10)	11-676-271



Heating Bath



## Fisher Scientific Isotemp RT 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 0.1°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

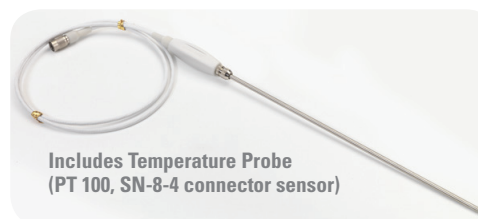


- » If stirring viscosity changes, the feedback function allows unit to maintain set speed.
- » Temperature probe (included) when coupled, automatically changes to external sensor mode, user can check sample temperature also control via probe on digital display.

Cat. No.	11-676-261	11-676-262
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 (H2O)	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 Isotemp RT Advanced Hotplate Stirrer

	Cat. No.
Heating Bath	11-676-269
Transparent Shield (PC)	11-676-270
Support Rod (Ø12mm, 400mm, M10)	11-676-271
Temperature Probe (PT 100, SN-8-4 connector sensor)	11-676-275
C-5, Clamp Holder (PP body, Ø12 mm)	11-676-276
3 Prong Clamp (60mm grip)	11-676-277
Temperature Probe (PT100, A Class, 400°C)	11-676-278



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

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