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Isotemp™ hotplates, stirrers and
stirring hotplates

 fisher scientific

Find the right stirrer for your application needs

Fisherbrand™ hotplates, stirrers and stirring hotplates

The Fisherbrand 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 features 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 product 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

Flexible features. Maximum benefits

With a wide variety of features and options, the Isotemp™, Isotemp™ Advanced 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 processes and customise your workflows with Isotemp™.



(L-R) Isotemp™, Isotemp™ Advanced, Isotemp™ RT Advanced series

	Isotemp™ series	Isotemp™ Advanced series	Isotemp™ RT Advanced series	Benefits
Safety				
Raised display	✓	✓	✓	Guides any spilled liquids away from electronics and controller
HOT TOP warning indicator	✓	✓	✓	Visual warning system designed to help prevent burns even when unit is turned off but still plugged in
Timer		✓	✓	Allows for untended operation
Over-temperature protection	✓	✓ (User-Adjustable)	✓	Prevents overheating, short circuiting and internal damage in case of overflow protecting samples
Optional splash guard	✓	✓	✓	Shield provides a protective barrier to guard vessels
Keypad lock			✓	Security
Removable power cord	✓	✓	✓	Convenience
Control				
Digital rpm display	✓	✓	✓	For more accurate stirring
Digital temperature display	✓	✓	✓	For more accurate heating
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
Performance				
Temperature probe	Optional	Included	Included	Accurate sample temperature readout and control
Slow speed stirring capability (rpm)	50	50	30	For precise stirring applications
Large stirring capacity (litres)	10	10	20	For larger sample volumes
Will maintain stir speed if viscosity changes	✓	✓	✓	For applications where samples will change viscosity
Flexibility				
Range of top plate sizes (cm)	10.8 x 10.8 18.4 x 18.4 26 x 26	18.4 x 18.4	14 (diam.)	Meets a wide range of sample size requirements
Top plate construction	Ceramic or aluminium	Ceramic or aluminium	Ceramic coated aluminium	Ceramic is resistant to chemicals and can handle higher temperatures, aluminium provides temperature uniformity across the entire top plate
Optional rods and clamps	✓	✓	✓	To hold and secure vessels, apparatus and probes

Isotemp™ series

Isotemp™ stirrers, hotplates and stirring hotplates are designed to provide precise stirring control with exceptional safety and temperature performance for your routine protocols.

Available in three sizes, providing flexibility from applications in microscale chemistry through to larger scale 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 aluminium
- Raised display design protects electronics from spills
- Optional temperature probe and splash guard protection shield
- Models in three size ranges for different sample volumes
- Stir bar is included with stirrer and stirring hotplate models



Isotemp™ models with small-sized top-plates: 108mm x 108mm

Overall dimensions (w x d x h), mm: 127 x 254 x 91

Cat. No	Description	Surface type	Volts/Hz	Stir range (rpm)	Stirring capacity	Max. surface temp., °C	Plug type
15343508	Hotplate	Ceramic	230V 50/60Hz (EU plug)	N/A	N/A	540	
15353508	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	N/A	N/A	540	
15363508	Stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	1L (water)	N/A	
15383508	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	1L (water)	N/A	
15393508	Hotplate stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	1L (water)	540	
15303518	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	1L (water)	540	

Note: Hotplate stirrer models have digital temperature and analogue stirring control.







Isotemp™ models with medium-sized top-plates: 184mm x 184mm

Overall dimensions (w x d x h), mm: 208 x 330 x 970

Cat. No	Description	Surface type	Volts/Hz	Stir range (rpm)	Stirring capacity	Max. surface temp., °C	Plug type
15313518	Hotplate	Ceramic	230V 50/60Hz (EU plug)	N/A	N/A	540	
15323518	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	N/A	N/A	540	
15333518	Stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	4L (water)	N/A	
15343518	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	N/A	
15353518	Hotplate stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	4L (water)	540	
15363518	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	540	
15373518	Hotplate	Aluminium	230V 50/60Hz (EU plug)	N/A	N/A	300	
15383518	Hotplate	Aluminium	230V 50/60Hz (UK/AUS/CN plug)	N/A	N/A	300	
15393518	Stirrer	Aluminium	230V 50/60Hz (EU plug)	50-1500	4L (water)	N/A	
15303528	Stirrer	Aluminium	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	N/A	
15323528	Hotplate stirrer	Aluminium	230V 50/60Hz (EU plug)	50-1500	4L (water)	300	
15343528	Hotplate stirrer	Aluminium	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	300	

Isotemp™ models with large-sized top-plates: 260mm x 260mm

Overall dimensions (w x d x h), mm: 287 x 411 x 102

Cat. No	Description	Surface type	Volts/Hz	Stir range (rpm)	Stirring capacity	Max. surface temp., °C	Plug type
15313538	Hotplate	Ceramic	230V 50/60Hz (EU plug)	N/A	N/A	400	
15323538	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	N/A	N/A	400	
15333538	Stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	6L (water)	N/A	
15343538	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	6L (water)	N/A	
15353538	Hotplate stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	6L (water)	400	
15363538	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	6L (water)	400	

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

Isotemp™ Advanced series

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

Intuitive design

- Top plate choices in ceramic or aluminium
- 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 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 capability to control in 0.1 degree increments below 100°C



Isotemp™ Advanced top plate dimensions: 184mm x 184mm

Overall dimensions (w x d x h), mm: 208 x 330 x 970

Cat. No	Description	Surface type	Volts/Hz	Stir range (rpm)	Stirring capacity	Max. surface temp., °C	Plug type
15353528	Hotplate	Ceramic	230V 50/60Hz (EU plug)	N/A	N/A	450	
15363528	Hotplate	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	N/A	N/A	450	
15373528	Stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	4L (water)	N/A	
15383528	Stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	N/A	
15393528	Hotplate stirrer	Ceramic	230V 50/60Hz (EU plug)	50-1500	4L (water)	450	
15303538	Hotplate stirrer	Ceramic	230V 50/60Hz (UK/AUS/CN plug)	50-1500	4L (water)	450	

Accessories for Isotemp™ and Isotemp™ Advanced series models

Cat. No	Description
15373538	Splash guard protection shield for all Isotemp™ and Isotemp™ Advanced 108mm x 108mm top-plate stirrers, hotplates and hotplate stirrers
15383538	Splash guard protection shield for all Isotemp™ and Isotemp™ Advanced 184mm x 184mm top-plate stirrers, hotplates and hotplate stirrers
15393538	Splash guard protection shield for all Isotemp™ and Isotemp™ Advanced 260mm x 260mm top-plate stirrers, hotplates and hotplate stirrers
15303548	PT100 temperature probe, 0-400°C, stainless steel for Isotemp™ ($\pm 1.8^{\circ}\text{C}$ @ 70°C) and Isotemp™ Advanced ($\pm 1.2^{\circ}\text{C}$ @ 70°C) hotplates and hotplate stirrers
15313548	PT1000 temperature probe, 0-400°C, stainless steel, for Isotemp™ ($\pm 1.0^{\circ}\text{C}$ @ 70°C) and Isotemp™ Advanced ($\pm 0.5^{\circ}\text{C}$ @ 70°C) hotplates and hotplate stirrers
15323548	Hastelloy PT1000 temperature probe, 0-400°C, for all Isotemp™ hotplates and hotplate stirrers. Hastelloy is chemical and corrosion resistant.
15386607	Support rod to be used together with clamps and clamp holder to hold apparatus suitable for all Isotemp™ and Isotemp™ Advanced hotplates, stirrers and stirring hotplates
15346617	Clamp and clamp holder to attach to supporting rod, suitable for all Isotemp™ hotplates, stirrers and stirring hotplates



Splash guard protection shields are available for the range of Isotemp™ and Isotemp™ Advanced stirrers, hotplates and hotplate stirrers



Temperature probes, support rods, clamps and clamp holders are available for the range of Isotemp™ and Isotemp™ Advanced hotplates and stirrers

RT Basic series magnetic stirrers

Experience the reliability of these plug-in and use 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 150rpm to 2500rpm
- Two non-slip silicone plate covers included with all units (one black, one white)



Cat. No	15336607	15346607	15356607
Plug type			
Mechanism	Brushless DC motor	Brushless DC motor	Brushless DC motor
Stirring capacity (H ₂ O)	2L	4L	5L
Speed range	150 to 2500rpm	150 to 2500rpm	150 to 2500rpm
Maximum load (vessel)	15kg	20kg	25kg
Body material	Polypropylene	Polypropylene	Polypropylene
Top plate dimensions	120mm diameter	170mm diameter	220mm diameter
Overall dimensions (w x d x h)	130 x 130 x 65mm	185 x 185 x 65mm	230 x 230 x 65mm
Power consumption	5W	6W	6W
Power	100 to 240V, 50/60Hz	100 to 240V, 50/60Hz	100 to 240V, 50/60Hz
Certifications	CE	CE	CE
Warranty	Two years	Two years	Two years

Cat. No	Accessories for RT Basic series magnetic stirrers
15396607	Non-slip silicone plate cover, white, diameter 120cm
15316617	Non-slip silicone plate cover, white, diameter 170cm
15326617	Non-slip silicone plate cover, white, diameter 220cm



Non-slip silicone plate covers

Isotemp™ RT digital hotplate

Increase your confidence in safety and accuracy with this low-profile digital display hotplate. Equipped with hot top warning and built-in temperature shut-off to provide accurate heating of samples and added protection in the laboratory.

Features

- Precise digital control with 0.1°C increments
- 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% intervals
- View current and set temperature simultaneously
- Timer can be set to start immediately, count down or start when top plate reaches desired set point
- Aluminium top provides excellent temperature uniformity while the thin ceramic coating provides excellent corrosion resistance and a white surface for optimal sample viewing



Cat. No	15306607
Plug type	
Temperature range	Max 350°C/662°F
Heating control	Feedback Control with PID
Display	LED digital (0.1°C resolution)
Maximum load (vessel)	25kg
Body material	Cast aluminium
Top plate dimensions	140mm
Top plate material	Ceramic coated aluminium
Overall dimensions (w x d x h)	161 x 290 x 100mm
Heating power	600W
Electrical requirements	230V, 50/60Hz
Certifications	CE, cCSAus
Warranty	Two years

Cat. No	Accessories for Isotemp™ RT hotplate
15366607	Heating bath
15376607	Transparent polycarbonate shield
15386607	Support rod (12mm diameter, 400mm, M10)

Isotemp™ RT Basic series hotplate stirrer

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 accessory support rods (optional)
- Aluminium 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	15316607
Plug type	
Temperature range	Max 350°C/662°F
Heating control	Scale
Stirring speed range	50 to 2000rpm
Maximum load (vessel)	25kg
Stirring capacity (H ₂ O)	20L
Body material	Cast aluminium
Top plate material	Ceramic coated aluminium
Top plate dimensions	140mm diameter
Overall dimensions (w x d x h)	161 x 290 x 100mm
Heating power	600W
Electrical requirements	230V, 50/60Hz
Certifications	CE, cCSAus
Warranty	Two years

Cat. No	Accessories for Isotemp™ RT basic hotplate stirrer
15366607	Heating bath
15376607	Transparent polycarbonate shield
15386607	Support rod (12mm diameter, 400mm, M10)



Heating bath

Isotemp™ RT Advanced series hotplate stirrer

Experience precision with our low-profile digital display hotplate stirrer, equipped with a PT100 sensor for precise temperature measurements during 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 (optional)
- Keypad lock
- Automatic over-temperature safety shut off at 450°C
- Heating rate can be set from 0 to 100% at 1% intervals
- View current and set temperature simultaneously
- Timer: start immediately or when desired temperature is reached
- Aluminium 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: 30rpm to 2000rpm
- If stirring viscosity changes, the feedback function allows unit to maintain set speed
- Temperature probe (PT100, B Class, 250°C, included) when coupled automatically changes to external sensor mode. User can check sample temperature and also control it, via the probe, using the digital display.



Cat. No	15326607
Plug type	
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
Stirring capacity (H ₂ O)	20L
Body material	Aluminium
Top plate material	Ceramic coated aluminium
Top plate dimensions	140mm
Overall dimensions (w x d x h)	161mm x 290mm x 100mm
Heating power	600W
Electrical requirements	230V, 50/60Hz
Certifications	CE, cCSAus
Warranty	Two years

Cat. No	Accessories for Isotemp™ RT advanced hotplate stirrer
15366607	Heating bath
15376607	Transparent polycarbonate shield
15386607	Support rod, M10, diameter 12mm, length 400mm
15336617	Temperature probe (PT100, B Class, 250°C)
15346617	Clamp holder, C5, polypropylene body, diameter 12mm
15356617	Three-prong clamp, 60mm grip
15366617	Temperature probe (PT100, A Class, 400°C)



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