

*fisherbrand*



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  |
|---|---------------------------------------|--------------------------|-----------------------------|---|
| <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                       | ✓                                     | ✓<br>(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   |
| 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 stirring capacity (litres)                  | 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 top plate sizes (cm)                     | 10.8 x 10.8<br>18.4 x 18.4<br>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™ ( $\pm 1.8^\circ\text{C}$ @ $70^\circ\text{C}$ ) and Isotemp™ Advanced ( $\pm 1.2^\circ\text{C}$ @ $70^\circ\text{C}$ ) hotplates and hotplate stirrers   |
| 15313548 | PT1000 temperature probe, 0-400°C, stainless steel, for Isotemp™ ( $\pm 1.0^\circ\text{C}$ @ $70^\circ\text{C}$ ) and Isotemp™ Advanced ( $\pm 0.5^\circ\text{C}$ @ $70^\circ\text{C}$ ) 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 <sub>2</sub> 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 <sub>2</sub> 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)            |



# 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 <sub>2</sub> 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)             |



Find out more at [eu.fishersci.com/go/fisherbrand](https://eu.fishersci.com/go/fisherbrand)

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