

# Carousel™

## Stirring Hotplates

Choice of three models;  
all offering improved safety,  
ease of use and faster  
heat-up times

NEW  
Models &  
Features

300°C



# Carousel Stirling Hotplates

Feature 800 watt heating power and a chemically resistant top plate

Includes  
**3 YEAR**  
Warranty



Carousel Standard, support rod, clamp and Heat-On 5 litre block

## Features include

- 3 Year Warranty.
- 800 Watt heating power - heats faster.
- Hotplate temperature range: 20 to 300 °C.
- Pt1000 temperature sensor available for all models.
- Stirring speed range: 30 to 1400 rpm.
- Chemically resistant Kera-Disk top plate coating.
- 135 mm top plate diameter.
- Suitable for continuous unattended operation.



## Kera-Disk® top plate

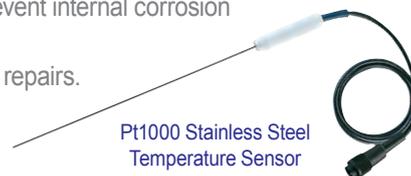
- Aluminium top plate allows for rapid heat transfer for fast heating.
- High performance, glass ceramic top coating is resistant to chemicals and scratches.

## Sealed housing

- The innovative, hermetically sealed housing helps prevent internal corrosion from aggressive liquids or vapours.
- Increases the lifespan and reduces maintenance and repairs.

## Suitable for unattended operation

- Designed and certified to conform to DIN EN 61010-1:2001 and DIN EN 61010-2-010:2014 for continuous, unattended operation.



Pt1000 Stainless Steel Temperature Sensor



Carousel Tech, Pt1000 and Carousel 6 Plus reaction station

## Technical Specifications

	Carousel Standard	Carousel Tech	Carousel Connect
Speed range (rpm)	100 to 1400	100 to 1400	100 to 1400
Display	-	Digital	Digital
Analogue/digital interface (RS232)	-	-	Yes
Heating power (W)	800 (600 for 115v)	800 (600 for 115v)	800 (600 for 115v)
Hotplate temperature (°C)	20 to 300	20 to 300	20 to 300
Accuracy of temperature setting (°C)	± 5	± 1	± 1
External temperature sensor	Pt1000	Pt1000	Pt1000
Temperature accuracy with external temp. sensor (°C)	± 1	± 1	± 1
Temperature accuracy hotplate (K)	± 5	± 5	± 5
Safety circuit hotplate (°C)	25 °C over hotplate temperature	25 °C over hotplate temperature	25 °C over hotplate temperature
Plate diameter (mm)	ø 135	ø 135	ø 135
Top plate material	Kera-Disk (Silumin with ceramic coating)	Kera-Disk (Silumin with ceramic coating)	Kera-Disk (Silumin with ceramic coating)
Dimension (W x L x H) (mm)	173 x 277 x 94	173 x 277 x 94	173 x 277 x 94
Supply voltage	230v / 50 Hz or 115v / 60 Hz	230v / 50 Hz or 115v / 60 Hz	230v / 50 Hz or 115v / 60 Hz



Carousel Connect, Pt1000 and Heat-On multi-well block

## Available in three models to suit your chemistry and budget

### Carousel Standard Stirring Hotplate

- Large analogue knobs for convenient speed and temperature control.
- Powerful magnets provide superior coupling even at high speeds and viscosities.
- Stirring control features a smooth ramp to set speed which prevents decoupling.
- Separate on/off switch for heating prevents unintentional heat-up.
- When heating is switched on, the on/off button is illuminated for visual control.
- **New** Residual heat indicator provides a clear warning if top plate surface is greater than 50 °C, minimising accidental burns.
- An independent safety circuit switches off the heating if the set hotplate temperature is exceeded by 25 °C.

### Carousel Tech Stirring Hotplate

All Carousel Standard features, plus:

- Digital display of temperature and speed with both set and actual values.
- Optional plug-in Pt1000 temperature sensor with stainless steel or glass coated probe.
- To protect your sample from overheating a safety circuit switches off the heating if temperature sensor is not immersed in the medium.

### Carousel Connect Stirring Hotplate

All Carousel Tech features, plus:

- **New** RS232 interface for optional PC control.
- Monitor and control your stirring hotplate with AVA Lab Control Software.



Carousel Standard



Carousel Tech

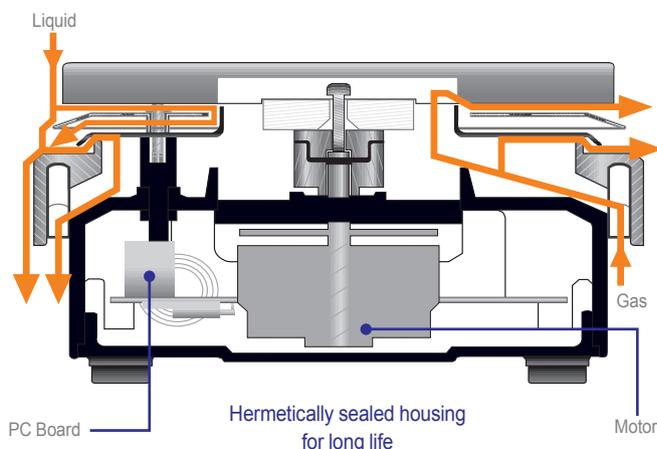


Carousel Connect

DOWNLOAD  
Free Demo  
www.radleys.com

#### Control your hotplate with AVA software

- Unattended chemistry for improved productivity
- Automatically log your data
- Improve safety and reduce manual errors



Carousel Tech  
with Pt1000 port



Carousel Connect with  
Pt1000 port and RS232 interface

### Standard Stirring Hotplates

RR91200	Carousel Standard Stirring Hotplate 230v UK Plug
RR91200/EURO	Carousel Standard Stirring Hotplate 230v Euro Plug
RR91200/SWISS	Carousel Standard Stirring Hotplate 230v Swiss Plug
RR91200/USA	Carousel Standard Stirring Hotplate 115v US Plug

### Tech Stirring Hotplates

RR91203	Carousel Tech Stirring Hotplate 230v UK Plug
RR91203/EURO	Carousel Tech Stirring Hotplate 230v Euro Plug
RR91203/SWISS	Carousel Tech Stirring Hotplate 230v Swiss Plug
RR91203/USA	Carousel Tech Stirring Hotplate 115v US Plug

### Tech Stirring Hotplates + Pt1000

RR91206	Carousel Tech Stirring Hotplate + Pt1000 230v UK Plug
RR91206/EURO	Carousel Tech Stirring Hotplate + Pt1000 230v Euro Plug
RR91206/SWISS	Carousel Tech Stirring Hotplate + Pt1000 230v Swiss Plug
RR91206/USA	Carousel Tech Stirring Hotplate + Pt1000 115v US Plug

### Tech Stirring Hotplates - Packages:

*Tech Stirring Hotplate, Pt1000 S/Steel Sensor, Support Rod and Sensor Clamp.*

RR91291	Carousel Tech Package 230v UK Plug
RR91291/EURO	Carousel Tech Package 230v Euro Plug
RR91291/SWISS	Carousel Tech Package 230v Swiss Plug
RR91291/USA	Carousel Tech Package 115v US Plug

### Connect Stirring Hotplates - with RS232 serial interface

RR91207	Carousel Connect Stirring Hotplate 230v UK Plug
RR91207/EURO	Carousel Connect Stirring Hotplate 230v Euro Plug
RR91207/SWISS	Carousel Connect Stirring Hotplate 230v Swiss Plug
RR91207/USA	Carousel Connect Stirring Hotplate 115v US Plug

### Connect Stirring Hotplates + Pt1000 - with RS232 serial interface

RR91208	Carousel Connect Stirring Hotplate+Pt1000 230v UK Plug
RR91208/EURO	Carousel Connect Stirring Hotplate+Pt1000 230v Euro Plug
RR91208/SWISS	Carousel Connect Stirring Hotplate+Pt1000 230v Swiss Plug
RR91208/USA	Carousel Connect Stirring Hotplate+Pt1000 115v US Plug

### AVA Software Kits - includes Controller, Data Hub & AVA Care

RR20302	AVA Level 1 Software Kit + UK Plug
RR20304	AVA Level 2 Software Kit + UK Plug

### Pt1000 Temperature Sensors and Accessories

RR91226	Pt1000 S/S Temperature Sensor
RR91227	Pt1000 Glass Coated Sensor
RR91228	Temperature Sensor Holder
RR91235	Pt1000 Clamping System + Support Rod and Cable Guide
RR91236	Pt1000 Clamping System + Support Rod and Cable Guide (bath from 3 to 5 L)
RR91229	Support Rod (13 mm x 425 mm)
RR71127	Support Rod (13 mm x 500 mm)
RR71125	Support Rod (13 mm x 340 mm)
RR71120	Support Rod Hotplate Adapter (extension plate)
RR91230	Support Rod for 4 litre Heating Bath (13 mm x 475 mm)

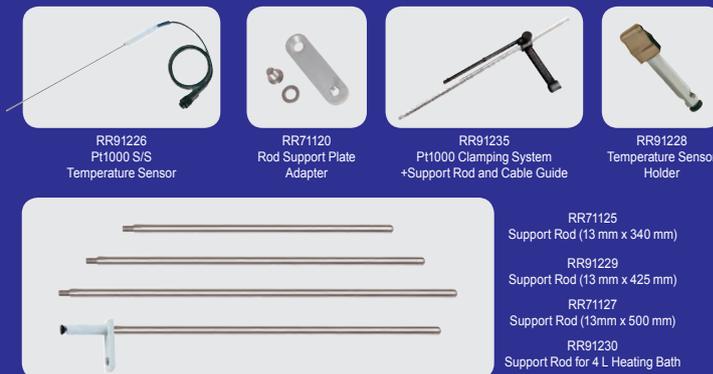
### Hotplate Accessories

RR91220	1 litre PTFE Coated Heating Bath
RR91221	2 litre PTFE Coated Heating Bath
RR91222	4 litre PTFE Coated Heating Bath
RR91223	1 litre Heating Bath
RR91224	2 litre Heating Bath
RR91225	4 litre Heating Bath
RR91231	Silicone Protective Cover for RR91203 & RR91207
RR91233	Silicone Protective Cover for RR91200
RR91232	Holding Bracket & Clamp
RR91237	Carousel Connect RS232 Interface Cable - 9 Pin to 9 Pin
RR61085	145 mm Adapter Plate for 135 mm Hotplates
RR71110	Retort Clamp to 85 mm
RR71115	Boss Head 16 mm

### High Performance PTFE Stirring Bars

RR98075	Cross Shape Stirring Bar 10 mm, pk 40
RR98091	Cross Shape Stirring Bar 16.5 mm Rare Earth, pk 20
RR95910	Cross Shape Stirring Bar 30 mm, pk 5
RR98096	Elliptical Stirring Bar 10 mm Rare Earth, pk 40
RR98097	Elliptical Stirring Bar 15 mm Rare Earth, pk 20
RR99064	Elliptical Stirring Bar 25 mm Rare Earth, pk 10
RR99607	Pivot Ring Stirring Bar 12 x 4.5 mm, pk 40
RR98071	Pivot Ring Stirring Bar 12 x 6 mm, pk 40
RR99613	Pivot Ring Stirring Bar 15 mm, pk 40
RR98070	Octagonal Stirring Bar 13 mm, pk 20
RR95905	Cylindrical Stirring Bar 8 mm, pk 40
RR98113	Cylindrical Stirring Bar 12 mm Rare Earth, pk 20
RR95920	Oval Stirring Bar 40 mm, pk 5
RR95921	Oval Stirring Bar 50 mm, pk 5
RR98095	PTFE Magnetic Stir Bar Evaluation Kit, pk 30
RR71200	PTFE Magnetic Stir Bar Evaluation Kit - for flasks, pk 10
RR98094	PTFE Magnetic Stir Bar Retriever 350 mm
RR98114	Stirring Bar Restrainer

### Pt1000 Temperature Sensors and Accessories



### Hotplate Accessories



### High Performance PTFE Stirring Bars



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innovations for chemistry

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