

## Features

- Compact, stackable design takes up less benchtop and storage space
- Hot warning light remains on even when unplugged
- BioCote® antimicrobial protection is built in for a cleaner, more hygienic product
- Built with tough aluminum casing for longevity
- Designed to prevent accidental spillage on control panel

## RS PRO Hot Plate

RS Stock No.: 2846772



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

## Product Description

- Hot plates are a reliable heat source capable of uniformly warming solutions and materials. In contrast to traditional Bunsen burners, hot plates are deemed safer due to the absence of an open flame, relying solely on a heated plate for the desired temperature.
- Designed with microprocessor-controlled dual thermocouples, these hot plates offer you accurate temperature control and protection from overheating. A coloured LED indicator surrounds the heat control knob illuminating the actual surface temperature in real time. The square plate design allows you flexibility of vessel sizes and combinations. Up to four 250 mL beakers can easily fit on the surface at the same time.
- To keep you safe, a "hot" warning light flashes whenever the plate surface temperature is above 50 °C and continues to flash until the temperature drops below 50 °C, even when unplugged.
- The hot plates feature BioCote® antimicrobial protection which reduces the presence of odour and stain causing microbes such as bacteria, mould, and fungi on the product surface by up to 99.99%.
- All models include an integral fitting for a retort rod and allow the retort base to slide underneath. For convenience and power saving, the units are built with a standard mains switch. To achieve accurate sample temperature control up to 200 °C (392 °F), a temperature controller (sold separately: 284-6778) can be connected to the unit.

## General Specifications

Type	Hot Plate
Magnetic Stirrer	No
Style	Analogue
Display Type	Analogue
Heat Control	Turning Knob
Speed Control	Turning Knob
LED Temperature Indicator	Yes
Hot Warning Light	Yes
Connection for External Sensor	Yes (when using <RS code here for SCT2>)
Timer	No
Interface	Analogue
Installation Category	II

## Plate Specifications

Plate Material	Glass Ceramic	
Plate Dimensions	Length	255mm
	Width	180mm
	Thickness	122mm

Heat Area	120mm x 120mm
Heater Power Wattage	500W
Temperature Setting Range	0 - 450°C
Heat Control Accuracy	1°C

## Electrical Specifications

Power Supply	230V, 50Hz
Plug Type	UK
Power Rating	530W

## Mechanical Specifications

Dimensions	180 x 255 x 122mm
Width	180mm
Length	255mm
Height	122mm
Weight	2.5kg
Body Material	Steel
Body Colour	White with red control section

## Protection Category

IP Protection	IP32
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## Accessories Includes

Stock #	Item Name	Item Description	Qty
	Temperature Controller	Controller with probe for temperature control and monitoring	1
	Retort rod, 600 x 12 mm diameter	Rod for clamping the controller at a safe distance	1
	Probe holder	Probe holder for the rod	1
	Temperature probe	PTFE coated PT100 temperature probe	1

## Similar Products

Stock No.	284-6775	284-6777	284-6774	284-6773	284-6776
Type	Stirrer	Hot Plate Stirrer	Stirrer	Hot Plate	Hot Plate Stirrer
Magnetic Stirrer	Yes	Yes	Yes	No	Yes
Style	Analogue	Digital	Digital	Analogue	Digital
Display Type	Analogue	Digital	Digital	Analogue	Digital

Heat Control	Analogue	Analogue	Analogue	Analogue	Analogue
Speed Control	Analogue	Analogue	Analogue	Analogue	Analogue
Plate Material	Coated Aluminium/ Silicon	Coated Aluminium/ Silicon	Glass Ceramic	Coated Aluminium/ Silicon	Coated Aluminium/ Silicon
Plate Dimensions	150 x 150	150 x 150	150 x 150	150 x 150	150 x 150
Heat Area	150 x 150	150 x 150	120 x 120	150 x 150	120 x 120
Heater Power Wattage	700W	700W	500W	700W	700W
Temperature Setting Range	0 - 325	0 - 325	0 - 450	0 - 325	0 - 325
Heat Control Accuracy	1	1	1	1	1
Maximum Stirring Capacity	15L	15L	15L	N/A	15L
Stirring Speed	100 - 2000	100 - 2000	100 - 2000	N/A	100 - 2000
Stirring Accuracy Speed	10 rpm	10 rpm	10 rpm	10 rpm	10 rpm
Stirring Bar Length	30-80mm	30-80mm	30-80mm	N/A	30-80mm
Dimensions	180 x 255 x 122	180 x 255 x 122	180 x 255 x 122	180 x 255 x 122	180 x 300 x 93
Interface	Analogue	Digital	Digital	Analogue	Digital
Power Supply	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz	230V, 50Hz

## Product Range

### Hot Plates

Stock No.	Heat Power	Display	Plate Material	Max Temp.	Plate Dimensions
284-6772	500W	Analogue	Glass Ceramic	450°C	255 x 180mm
284-6773	700W	Analogue	Coated Aluminium/ Silicon	325°C	150 x 150mm
284-6771	750W	Digital	Coated Aluminium/ Silicon	325°C	150 x 150mm

### Stirrers

Stock No.	Capacity	Display	Plate Material	Speed
284-6774	15L	Analogue	Glass Ceramic	100 to 2000rpm
284-6775	15L	Analogue	Stainless Steel	100 to 2000rpm

### Hot Plates & Stirrers

Stock No.	Heat Power	Display	Plate Material	Max Temp.	Plate Dimensions
284-6776	500W	Digital	Glass Ceramic	450°C	150 x 150mm
284-6777	700W	Analogue	Coated Aluminium/ Silicon	325°C	150 x 150mm

## Hot Plate Controller

Stock No.	Probe	Display	Probe Material	Max Temp.	Dimensions
284-6778	PT100	Digital	Stainless Steel	200°C	75 x 90 x 123mm

## Mixer

Stock No.	Type	Capacity	Body Material	Speed
284-6770	Orbital Shaker	100g	Die Cast Alloy	2500 to 4500rpm