

# Immersion Heaters





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An extensive range of immersion heaters for a wide spectrum of applications.

Each model is fitted with an RDT combined thermostat and resettable safety cut-out to meet the latest BS EN 60335-2-73 standard, and there are three different sheath materials for optimum efficiency and durability in different water conditions.

- Copper – to suit normal water conditions.
- Superloy – nickel alloy for aggressive water conditions.
- Titanium – for hard and very aggressive water conditions.

Our immersion heaters come in lengths from 11" through to 36" covering applications requiring both horizontal and vertical mounting.

Our Titanium immersion heaters come with a five year guarantee (two years for the thermostat). Our other immersion heaters have a two year guarantee.

# Immersion Heaters



## Titanium

**Long life Titanium immersion heaters.** Our Titanium immersion heater sets a new standard for operational life – even in the hardest or most aggressive water conditions.

**Hard and aggressive water.** Problems with water quality continue to grow. Hard and aggressive water can substantially reduce the life and effectiveness of a standard immersion heater. As scale builds up, it takes longer to transfer heat to the water and can cause early element failure. Aggressive water can attack and corrode conventional immersion heaters resulting in premature failure.

**Fit the best – fit Titanium.** Titanium's strength, weight and smooth finish enables it to withstand extreme stress, fluctuating temperatures and corrosive environments. Heatrae Sadia's Titanium immersion heaters are the most reliable and cost-effective solution for hard and aggressive water applications.

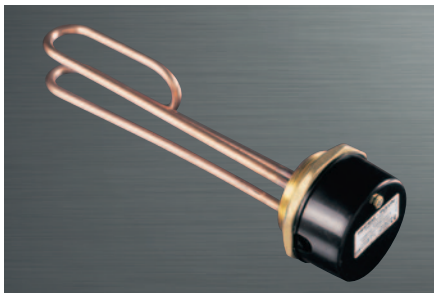
To underline the effectiveness of Titanium, we offer an impressive five year guarantee giving users absolute peace of mind.



## Superloy

Range of 3kW immersion heaters for use in aggressive water areas.

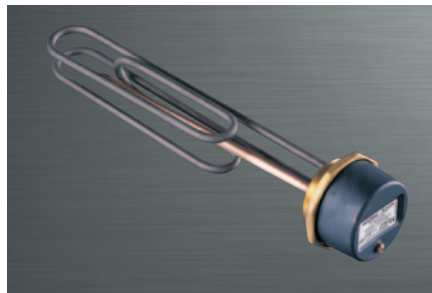
- Superloy 800 – for aggressive water.
- Fitted with RDT combined thermostat and resettable safety cut-out.
- No-heat zone prevents overheating.
- Available in three lengths from 280mm to 914mm (11" to 36").



## Gold Dot

A range of 3kW immersion heaters suitable as the sole heat source or for use in association with an indirect heating coil.

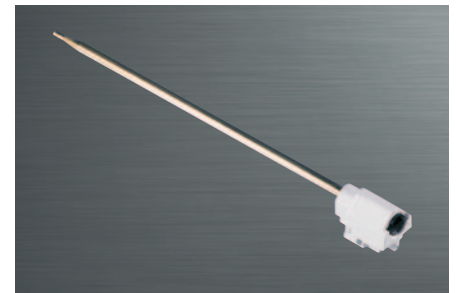
- Copper sheathed for normal water areas.
- Fitted with RDT combined thermostat and resettable safety cut-out.
- No-heat zone prevents overheating.
- Available in five lengths from 280mm to 914mm (11" to 36").



## Maxistore

A high performance Superloy 825 sheathed 14" immersion heater recommended for use in conjunction with off-peak tariffs.

- Superloy 825 nickel alloy sheath for high corrosion resistance.
- 3kW element.
- Fitted with RDT combined thermostat and resettable safety cut-out.
- No-heat zone prevents overheating.
- Low watts density for low noise and long life.



## RDT resettable thermostats

All Heatrae Sadia domestic immersion heaters are fitted as standard with an RDT combined thermostat and resettable safety cut-out.

The range of RDT thermostats provide a simple method of upgrading immersion heaters to the standard BS EN 60335-2-73 without the need for draining down the hot water cylinder.

- Adjustable temperature range from 10°C to 60°C.
- Factory pre-set to 60°C.
- Manual re-set feature incorporating "MFS Technology".
- 7" for horizontal installation only.
- Choice of 11" models for horizontal or vertical installation.
- 18" for vertical installation only.



# Full specifications dimensions and ordering

Specifications						
Model	Installation mode	Length		Sheath material	RDT Thermostat size supplied	
		(mm)	(in.)		(mm)	(in.)
Titanium 11"	Horizontal	280	11	Titanium	178	7
Titanium 14"	Horizontal	356	14	Titanium	178	7
Titanium 27"	Vertical	686	27	Titanium	458	18
Superloy 800 11"	Horizontal	280	11	Superloy 800	178	7
Superloy 800 27"	Vertical	686	27	Superloy 800	458	18
Superloy 800 36"	Vertical	914	36	Superloy 800	458	18
Gold Dot 11"	Horizontal	280	11	Copper	178	7
Gold Dot 14"	Horizontal	356	14	Copper	178	7
Gold Dot 27"	Vertical	686	27	Copper	458	18
Gold Dot 30"	Vertical	762	30	Copper	458	18
Gold Dot 36"	Vertical	914	36	Copper	458	18
Maxistore 14"	Horizontal	356	14	Superloy 825	280	11

Model	Installation mode	Length		Adjustable temp. range	Typical temp. differential
		(mm)	(in.)		
RDT 7"	Horizontal	178	7	10 to 60	7
RDT 11"	Horizontal	280	11	10 to 60	7
RDT 11"	Vertical	280	11	10 to 60	7
RDT 18"	Vertical	458	18	10 to 60	7

## Specification

### Rating

All immersion heaters – 3kW @ 240V (2.8kW @ 230V).

RDT resettable thermostats – 16A @ 240V.

### Length

Titanium – 280mm, 356mm, 686mm (11", 14", 27").

Superloy 800 – 280mm, 686mm, 914mm (11", 27", 36").

Gold Dot – 280mm, 356mm, 686mm, 762mm, 914mm (11", 14", 27", 30", 36").

Maxistore – 356mm (14").

RDT resettable thermostats – 178mm, 280mm, 458mm (7", 11", 18").

### Sheath

Titanium – Titanium.

Superloy 800 – Superloy 800 alloy.

Gold Dot – Copper.

Maxistore – Superloy 825 alloy.

### Thermostat

All immersion heaters – New RDT combined thermostat and resettable safety cut-out adjustable from 10°C to 60°C.

### Approvals

Superloy, Gold Dot, Maxistore Immersion Heaters – BEAB approved.

Titanium – CE marked.

RDT resettable thermostats – CE marked.

## Ordering guide

Model	Product code
Titanium 11"	95:110:400R
Titanium 14"	95:110:403R
Titanium 27"	95:110:401R
Superloy 800 11"	95:110:901R
Superloy 800 27"	95:110:905R
Superloy 800 36"	95:110:907R
Gold Dot 11"	95:110:302R
Gold Dot 14"	95:110:303R
Gold Dot 27"	95:110:306R
Gold Dot 30"	95:110:307R
Gold Dot 36"	95:110:308R
Maxistore 14"	95:110:721R
RDT 7"	95:980:034
RDT 11" (Horizontal)	95:980:035
RDT 11" (Vertical)	95:980:043
RDT 18"	95:980:036

## Installation

Titanium – Horizontal (11") or vertical (27") mounting in 2¼" BSP threaded boss. Electrical connections should be made in heat-resisting cable in accordance with the instructions provided.

Superloy 800 – Horizontal (11") or vertical (27" and 36") mounting in 2¼" BSP threaded boss. Electrical connections should be made in heat-resisting cable in accordance with the instructions inside the terminal cover.

Gold Dot – Horizontal (11" and 14") or vertical (27", 30" and 36") mounting in 2¼" BSP threaded boss. Electrical connections should be made in heat-resisting cable in accordance with the instructions inside the terminal cover.

Maxistore – Horizontal (14") mounting in 2¼" BSP threaded boss. Electrical connections should be made in heat-resisting cable in accordance with the instructions inside the terminal cover.

## Guarantee

Our immersion heaters are guaranteed from the date of purchase against faulty manufacture and materials provided that:

- It has been installed in the UK.
- It has been installed correctly.
- It has not been tampered with or damaged by frost.
- It has only been used for heating potable water.

This guarantee is not transferable and does not affect the owner's statutory rights. For more detailed guarantee information contact Heatrae Sadia.

Titanium is guaranteed for a period of five years, and its thermostat for a period of two years.

Superloy 800, Gold Dot, Maxistore and RDT resettable thermostats are guaranteed for a period of two years.



# Contact

## Specification Advice Hotline

T: 01603 420220 F: 01603 420229

E: [specifier@heatraesadia.com](mailto:specifier@heatraesadia.com)

## After Sales Service

T: 0844 871 1535 F: 0844 871 1528

E: [heatraesadiaservice@heateam.co.uk](mailto:heatraesadiaservice@heateam.co.uk)

Web [www.heatraesadia.com](http://www.heatraesadia.com)

## heateam

heateam is Heatrae Sadia's very own service division. With us on your side, you can be sure that your customers are in the very best hands. Totally committed to quality and safety, heateam is open 7 days a week, for 363 days a year, and offers:

- **Dedicated Trade Advice Line** – our helpful and qualified specialists are always on hand to help you with even the most complex technical query.
- **Installer Priority Call-Outs** – our 280 strong team of specifically trained expert heating engineers covers the UK, no one is better qualified to look after Heatrae Sadia's products for the duration of the guarantee.
- **Fully Stocked Vans** – a nationwide fleet of vans, fully stocked with spare parts – meaning we can repair our appliances on the first visit in 95% of call-outs.
- **Exclusive Service Plans** – heateam also offer Heatrae Sadia's customers a range of exclusive annual service plans.

Opening Times: Monday-Friday 8am-6pm, weekends and Bank Holidays\* 8.30am-2pm.

\*excluding Christmas Day and New Year's Day.

Simply call **0844 8711535** or visit our website at [www.heateam.co.uk](http://www.heateam.co.uk)



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Heatrae Sadia Heating may introduce modifications to their products from time to time. Consequently, the details given in this brochure are subject to alteration without notice.

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### MEGAFLO ECO

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