

SPECIFICATIONS

Redring's comprehensive range of Immersion Heaters are suitable for commercial or industrial tanks and cylinders.

The adjustable setting stem type thermostat is supplied with all immersion heaters.

WATER IMMERSION HEATERS

The element sheath and thermostat pocket are made from Incoloy 825, which is perhaps the best corrosion resistant material available for immersion heater applications.

They are particularly resistant to corrosion attack in hard or aggressive water areas, where high chloride content and scale forming properties of the water drastically reduce the life of elements made in different sheath materials.

The special Polypropylene moulded terminal box is fitted with a 25mm conduit entry.

The design provides excellent access for wiring. The chamber rotates on the heater to coincide with the most favourable position for conduit connection.

1 phase heaters are rated for a 240V 1p 50 Hz supply.

3 phase heaters are rated for a 415V 3p 50 Hz supply.

2" BSP OIL AND ALKALINE HEATERS

Elements and head constructed in mild steel. Terminal box cast aluminium.

2 1/4" BSP OIL IMMERSION HEATERS

Construction as water immersion heater above but elements mild steel. Temperature limited to 120°C.

GETTING THE BEST FROM YOUR REDRING IMMERSION HEATER

To get the best service from your immersion heater and optimum stratification the heater should be mounted horizontally at the bottom of the tank.

To assist in the element's life expectancy, choose the longest immersion length that can be accommodated in the diameter of the vessel, keeping the watts density as low as possible.

Ensure the immersion heaters are immersed at all times, so as to avoid the element "burning out" if inadvertently exposed to air.

We advise against mounting the heaters in deep neck rings as localised boiling will occur.

The vessel and associated pipework should be well insulated, to conserve energy and reduce running costs.

Further savings can be made by the use of suitable controls in conjunction with off peak tariffs.

SPECIFICATION

2 1/4" BSP WATER INDUSTRIAL IMMERSION HEATERS

Loading kW	Cat. No. "Incoloy"	Phases	Immersed Length mm	Watts Density (W/cm ²)
2	RY211	1 only	280	8.7
3	RY311	1 or 3	280	8.7
	RY330	1 or 3	760	2.6
4	RY411	1 or 3	280	11.7
	RY416	1 or 3	405	7.7
6	RY616	1 or 3	405	11.3
	RY630	1 or 3	760	5.7
	RY642	1 or 3	1065	4.0
7.5	RY724	1 or 3	610	8.8
9	RY914*	1 or 3	355	19.8
	RY927	1 or 3	685	9.5
	RY936	1 or 3	915	7.0
12	RY1224	1 or 3	610	14.3
	RY1236	1 or 3	915	9.3
18	RY1836	3 only	915	13.9

* The RY914 has been specially developed to provide a high kW loading where space is limited. However, the resulting high flux density of the element means that it will have a shorter life expectancy than the rest of the range, and it is important to take this into consideration if the heater will be subjected to aggressive water conditions.

If you are in any doubt, please contact our Industrial Division Sales office, who will advise suitability for your particular application.

BRASS ADAPTOR

2 1/2" BSP to 2 1/4" BSP. Cat. No. 85-694026

This enables our 2 1/4" BSP heater to be fitted into 2 1/2" BSP entry.

2" BSP Oil Immersion Heaters

Cat. No.	Loading kW	Phases	Length mm	Watts Density
RO1517	1.5	1	420	2.3
RO222	2.0	1	546	2.3
RO332	3.0	1	800	2.3

2 1/4" BSP Oil Immersion Heaters

Cat. No.	Loading kW	Phases	Length mm	Watts Density
RSO224	2	1 or 3	610	1.6
RSO330	3	1 or 3	762	1.9
RSO342	3	1 or 3	1067	1.3
RSO442	4	1 or 3	1067	1.7
RSO660	6	1 or 3	1524	1.7

2" BSP Alkaline Immersion Heaters

Cat. No.	Loading kW	Phases	Length mm	Watts Density
RAKT212	2	1	305	4.9
RAKT317	3	1	432	4.8
RAKT417	4	1	432	6.4
RAKT521	5	1	534	6.6
RAKT729	7	1	737	6.2
RAKT1246	12	1	1170	6.5

REDRING
The inspiration is electric.

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