

# Backersafe Immersion Heater

## Description

Backersafe Immersion Heaters are manufactured to the latest Legislation of BSEN60335-2-73. Two specific clauses within this specification are aimed at eliminating the risk of boiling water. The most significant requirement is that the Immersion Heater be isolated from the mains supply should the primary thermostat fail with the contacts closed which would allow the water to reach a temperature in excess of 85°C.

## The Solution

Backer manufacture two alternative types of Immersion Heaters to meet the requirement of the standard EN60335-2-73.

Type one is using a non re-settable BT range of rod thermostat which in addition has a secondary single re-settable button thermostat in series with the main rod thermostat.

Type two is using a single BMST range of rod thermostats which incorporates a secondary temperature sensing device and a second set of contacts all contained within the one thermostat.



The “BACKERSAFE” Immersion Heaters are manufactured in a full range of sheath materials including Copper, Incoloy 800, Incoloy 825 and Titanium to suit the varying water conditions around the country.

# Backersafe Immersion Heater

## Backersafe Immersion Heater Range

Manufactured to BS EN 60335-2-73

All "BACKERSAFE" Immersion Heaters come complete with a standard 15 Amp rod thermostat and have a secondary re-set button thermostat fitted. All elements are rated at 3kW but special lengths, wattages and voltages can be produced to specific order if required.

Product Code	Catalogue Number	Underhead Length	Rod Stat Length
<b>Copper Sheath Range</b>			
09192VS / 09192VC	PACK 311/15TM	11"	7"
09193VS / 09193VC	PACK 314/15TM	14"	7"
09194VS / 09194VC	PACK 318/15TM	18"	11"
09195VS / 09195VC	PACK 323/15TM	23"	11"
09182VS / 09182VC	PACK 327/15TM	27"	18"
09196VS / 09196VC	PACK 330/15TM	30"	18"
09197VS / 09197VC	PACK 336/15TM	36"	18"
<b>Anti-Corrosive Range</b>			
Manufactured in Backerloy Sheath Material for use in Aggressive water areas			
09733VS / 09733VC	PACK 311C/15TM	11"	7"
09009VS / 09009VC	PACK 314C/15TM	14"	7"
09021VS / 09021VC	PACK 318C/15TM	18"	11"
09022VS / 09022VC	PACK 323C/15TM	23"	11"
09734VS / 09734VC	PACK 327C/15TM	27"	18"
09023VS / 09023VC	PACK 330C/15TM	30"	18"
09024VS / 09024VC	PACK 336C/15TM	36"	18"
<b>Low Watts Density Anti-Corrosive Range</b>			
Manufactured in Backerloy Sheath Material with Low Watts Density. This reduces the possible risk of the kettling noise when used for overnight heating.			
09801VS / 09801VC	PACK 311C/825/15TM	11"	7"
09509VS / 09509VC	PACK 314C/825/15TM	14"	7"
09802VS / 09802VC	PACK 318C/825/15TM	27"	18"
09587VS / 09587VC	PACK 323C/825/15TM	30"	18"
09586VS / 09586VC	PACK 327C/825/15TM	36"	18"
<b>Titanium Sheath Range</b>			
09015VS	PACK 311T/15TM	11"	7"
09016VS	PACK 314T/15TM	14"	7"
09017VS	PACK 327T/15TM	27"	18"
<b>Unvented Range</b>			
09027J	PACK 311CM	11"	7"