

# HIBC/A INTERMEDIATE BULK CONTAINER HEATER

## Product Information

A niche heating solution that symbolises the flexible and forward thinking core values of our approach – the HIBC/A is used by a select number of industries to keep thermally sensitive products at appropriate process temperatures.

Taking advantage of the advanced wire wound heater manufacturing technology and constructed from the highest quality materials, the HIBC/A is an effective solution for heating a multitude of

products contained in a Bag-In-Box intermediate bulk container.

This product can be customised to suit varying container sizes and in some cases can be used with Bottle-in-Cage IBCs for gentle warming and frost protection applications.

HIBC/A



HIBC/A



# AN INTRODUCTION TO THE **HIBC/A** INTERMEDIATE BULK CONTAINER HEATER

## KEY FACTS

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- SILICONE RUBBER CLASS II DOUBLE INSULATED CONSTRUCTION
- LIGHTWEIGHT EASY APPLICATION
- 0-150°C ELECTRONIC CONTROLLER
- IN-BUILT RESIDUAL CURRENT DEVICE
- INTEGRAL PTC TEMPERATURE SENSOR
- DROP IN/REMOVABLE BASE HEATER
- BESPOKE SIZES AND PERFORMANCE TO ORDER

Providing direct and uniform heating to products ranging from glucose to wax, honey and shampoo

Manufactured from the highest quality materials the HIBC/A is designed for placement below the contents of the Bag-In-Box style intermediate bulk container. The heater is ideal for providing direct and uniform heating to products ranging from glucose to wax, honey and shampoo and is delivered with a digital temperature controller providing simple and accurate temperature control.

Most commonly used within the food and cosmetics industries for products such as corn syrup and liquid soap, the HIBC/A offers excellent thermal control and uniform heating ensuring that the thermally sensitive product contents do not exceed maximum operational temperatures. Calling on over 40 years of expertise in the manufacture of silicone heaters, we deliver the highest quality product on the market for this specific yet demanding application.

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## Details



Connectors for the HIBC/A come as standard with safety lock fitting.



Robust backing on the electronic controller allows you to fit in a secure location so no damage can be caused.



Reinforced mould termination to protect electrical connection.

## Construction

The HIBC/A silicone heater mat features a high temperature multi-stranded copper nickel resistance wire element, laminated between silicone fibreglass sheets to ensure a robust construction while also allowing complete product flexibility. The heater also incorporates PTC temperature sensor between the silicone layers to offer the most accurate process temperature reading possible. This sensor connects to an electronic temperature controller via the heater power cable and provides accurate measurement and a fast response to temperature changes at the base of the IBC liner. This makes the heater suitable for both high energy absorbing products and highly viscous, temperature sensitive materials.

## Technical Data

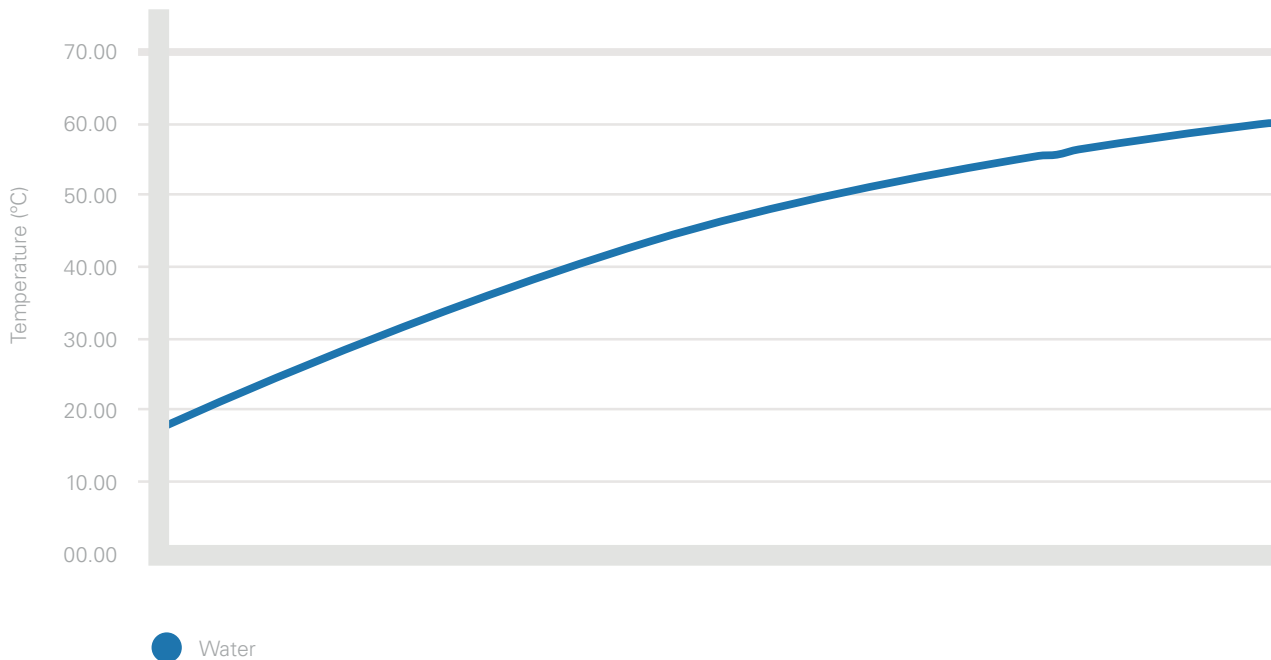
### HIBC/A

- Size: 800mm x 900mm (c/w 50mm external tab)
- Voltage: 110 or 230 Volts
- Wattage: 2000 Watts
- Temp Control: 0-150°C electronic controller (digital readout)
- Performance: Water temp from 15°C to 60°C in 42 hours (without insulation jacket)
- Water temp from 15°C to 60°C in 30 hours (with insulation jacket)

### Digital Temperature Controller

- Controller Dimensions: 200mm long x 150mm wide x 105mm high (Excluding Mounting Bracket)
- Temp Control: 0-150°C
- Supply Voltage: 110 or 230Volts AC
- Maximum Power: 3000 Watts
- Sensor Input: PTC1000 via 4 Pole Socket (Output to heater)
- Supply Cable: 2000mm 1.5 diameter PVC
- Electrical Protection: Residual Current Device, for correct functioning of the RCD device the mounting bracket must have an earth bond strap to the metallic surface the heater is fixed to.

## HIBC/A TEST DATA



The graph above shows a test report on the HIBC/A heating 1000l of water.

## Service Package

In an environment where your heating solution is likely to become covered in harmful cleaning chemicals or contaminated with hot sticky substances, regular performance checks become an essential part of good operational practice. The HIBC/A product can be returned at any time for a performance review. We offer a full service check on all components of your container heater confirming full functionality or highlighting minor running repairs to extend the life and ensure the optimal performance of your heating solution.