

HISD INSULATED SIDE DRUM HEATER

Product Information

The original and still the market leading insulated heater jacket, the HISD drum heater has set the industry standard for performance since its initial development over a century ago.

Designed specifically for use with plastic drums, although versatile in application with steel drums also, this heater jacket is the ideal solution for

controlled and gradual heating of a variety of product processes for a multitude of industries.

The HISD offers consistent heat performance up to 90°C across all the industry recognised drum sizes and its construction is now utilised in a range of markets outside of drum and container heating including composite repairs and plastic fabrication.

HISD/D



HISD/E



AN INTRODUCTION TO THE **HISD** INSULATED SIDE DRUM HEATER

KEY FACTS

- SUITABLE SPECIFICALLY FOR PLASTIC DRUMS
- GRADUAL WARMING APPLICATIONS
- CLASS II DOUBLE INSULATED PRODUCT
- IP40 PROTECTION
- ADJUSTABLE QUICK RELEASE BUCKLES FOR EASY FIT
- 0 TO 40°C OR 0 TO 90°C THERMOSTAT OPTIONS
- STANDARD SIZES - 25L, 50L, 105L & 200/220L
- BESPOKE SIZES AND WATTAGES AVAILABLE

The HISD is utilised to reach and maintain consistent temperatures of up to 90°C

The HISD Drum Heater is designed and manufactured with high quality, durable materials, these heater jackets are ideally suited for reducing the viscosity of a vast variety of products including fats, oils, resins and foodstuffs. Industry recognised as a plastic drum heater solution, the HISD is utilised to reach and maintain consistent temperatures of up to 90°C and also offers unrivalled solution for frost protection applications.

Globally used for a multitude of industries but most commonly found in the pharmaceutical and cosmetics industries, the HISD solution is the ideal selection for effectively and efficiently heating materials stored in any type of drum or container.



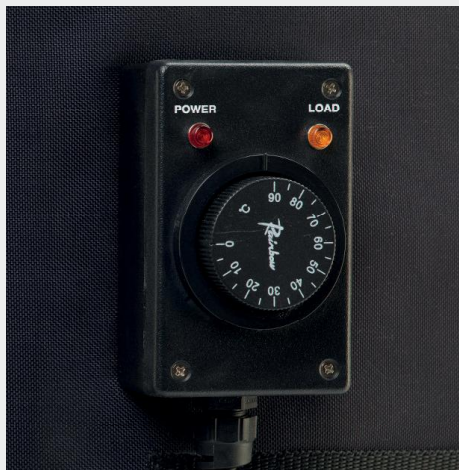
Details



Bespoke printing for the HISD is available, detailing your company information and specifications for the element.



Quick release buckles are used for fixing the jacket quickly and easily.



The HISD is fitted with a capillary thermostat for temperature control.

Construction

The high quality silicone heating element of the HISD range of side drum heaters is stitched into an insulated jacket made from a highly durable flame retardant polyester fabric and insulated with a thermally efficient, flexible E-glass fibre blanket. The construction is complete with easy to use quick release buckles, for simple installation and removal, 4 metres of robust power cable and either a 0 to +40°C or 0 to +90°C capillary thermostat. An over-temperature thermostat is fitted for further protection and the finished product is a class two double insulated element meaning that the product far exceeds European safety standards.

Jacket Material	Flame retardant polyester fabric
Insulation	E-glass fibre blanket
Element	Silicone insulated spiral wound resistance element
Control	0 to +40° or 0 to +90°C Adjustable thermostat
Power Cable	4 Metre HO7RN-F
Fixing	Polypropylene webbing with quick release adjustable buckles

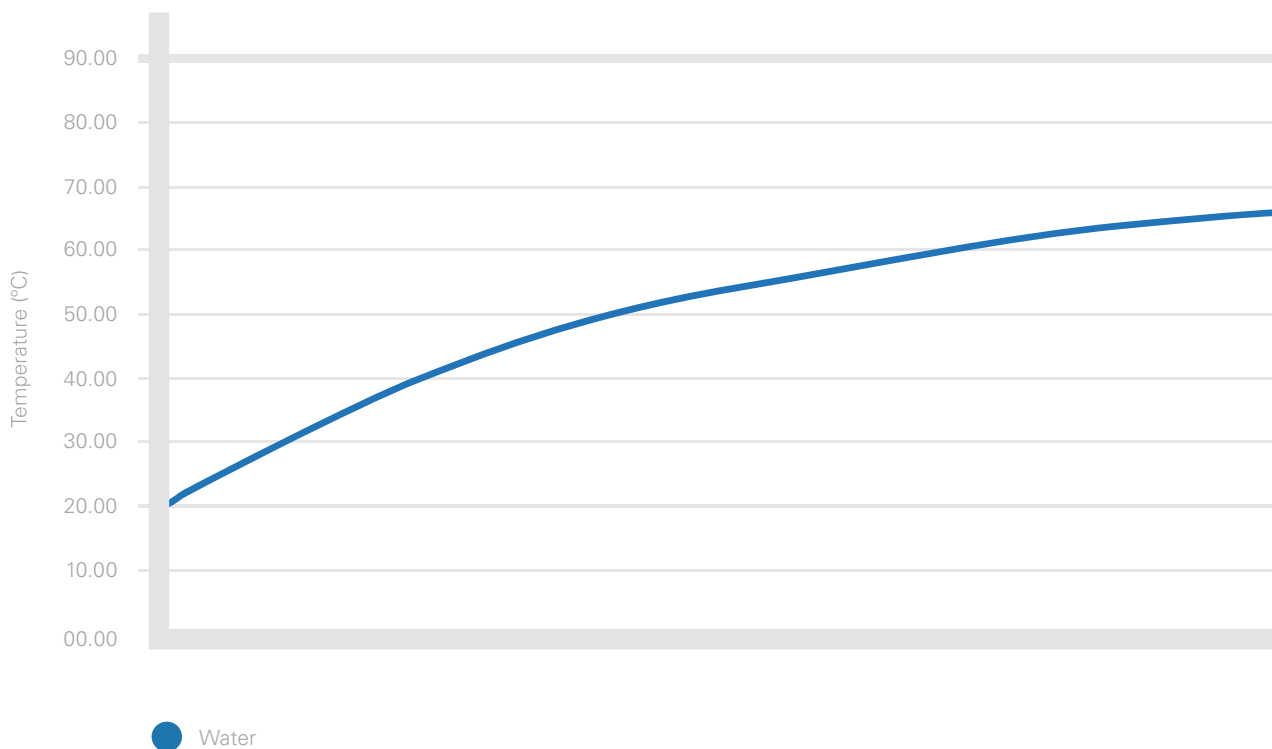
Technical Data

- Power rating: 110 or 230 Volts
- Temperature Control: 0 to 40°C or 0 to 90°C thermostat

Drum Size	Size mm	Power	Diameter*mm
25L	400 x 1020	200W	277 to 315
50L	460 x 1250	250W	350 to 388
105L	370 x 1650	400W	470 to 515
200-210L	450 x 1950	450W	573 to 611
200-210L	800 x 1950	1200W	573 to 611

* Minimum to Maximum - The diameters given do not guarantee perfect fit. If fitting to the largest diameter the edges of the jacket may not touch. The optimum diameter is midway between the two given diameters.

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HISD/D TEST DATA

The graph above shows a test report on the HISD/D 1000W on a plastic Drum.

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 HISD Heater Jacket is the most universally sold product, featured across an extremely varied range of applications due to the efficient, cost effective and gradual nature of its 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.

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HTSD INSULATED SIDE DRUM HEATER

Product Information

High temperature, high performance; the HTSD is a complete heater for demanding heating applications. This silicone coated heater jacket consistently delivers aggressive heating performance in highly demanding applications.

The HTSD Heater highlights the development and progression of the heater jacket product range. Having originally been developed for the market demand for a high temperature flexible heating jacket this product design is an evolution of the

original HISD. The High Temperature Side Drum heater incorporates the successful construction methods that have become the foundation of the heater jacket success but takes the performance capabilities to the next level.

The HTSD utilises our recognised expertise in understanding silicone heater materials to manufacture this high temperature heating solution.

HTSD



HTSD



AN INTRODUCTION TO THE **HTSD** HIGH TEMPERATURE DRUM HEATER

KEY FACTS

- SUITABLE FOR METAL DRUMS
- AGGRESSIVE HEATING APPLICATIONS
- CLASS II DOUBLE INSULATED PRODUCT
- IP40 PROTECTION
- SILICONE COATED GLASS CLOTH MATERIAL
- ADJUSTABLE, QUICK RELEASE BUCKLES FOR EASY FIT
- HIGH OPERATING TEMPERATURE OF UP TO 220C
- STANDARD SIZES - 25L, 50L, 105L & 200L
- 1200W AND 1800W OPTIONS AS STANDARD (200L)
- BESPOKE SIZES AND WATTAGES AVAILABLE

A great solution for maintaining consistently high application temperatures

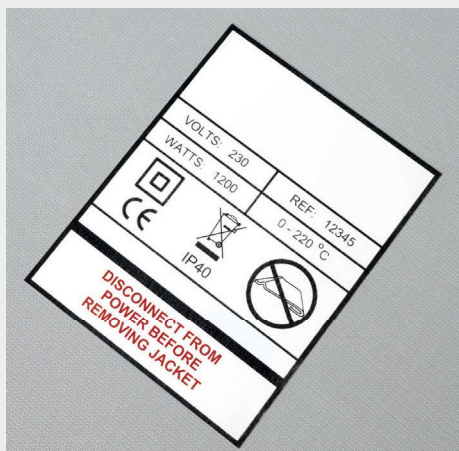
The HTSD Drum Heater is specifically designed for melting or reducing the viscosity of products that require aggressive heating or high temperatures for handling. Featuring a 20-220°C controllable thermostat, this jacket provides the industry recognised standards for handling products such as waxes, soaps, paints, chemicals and materials with high water content.

As the element needs to effectively deliver heat to products which have a high level of thermal consumption, the jacket is constructed with an outer layer of silicone coated glass fibre for excellent thermal transfer and presents a great solution for maintaining consistently high application temperatures.

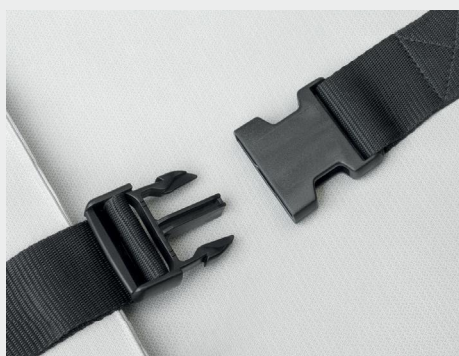
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Details



Bespoke printing for the HTSD is available, detailing your company information and specifications for the element.



Quick release buckles are used for fixing the jacket quickly and easily.



The HTSD is fitted with a high temperature thermostat.

Construction

The high performance silicone coated heating element of the HTSD range is stitched into an insulated jacket made from silicone coated glass cloth, insulated with an E-glass fibre blanket complete with quick release buckles for ease of installation and removal. The final heater is of class two double insulated construction to meet European Safety Standards. All HTSD side drum heaters are supplied with 4 metres of robust rubber power cable and fitted with a 20 to 220°C capillary thermostat.

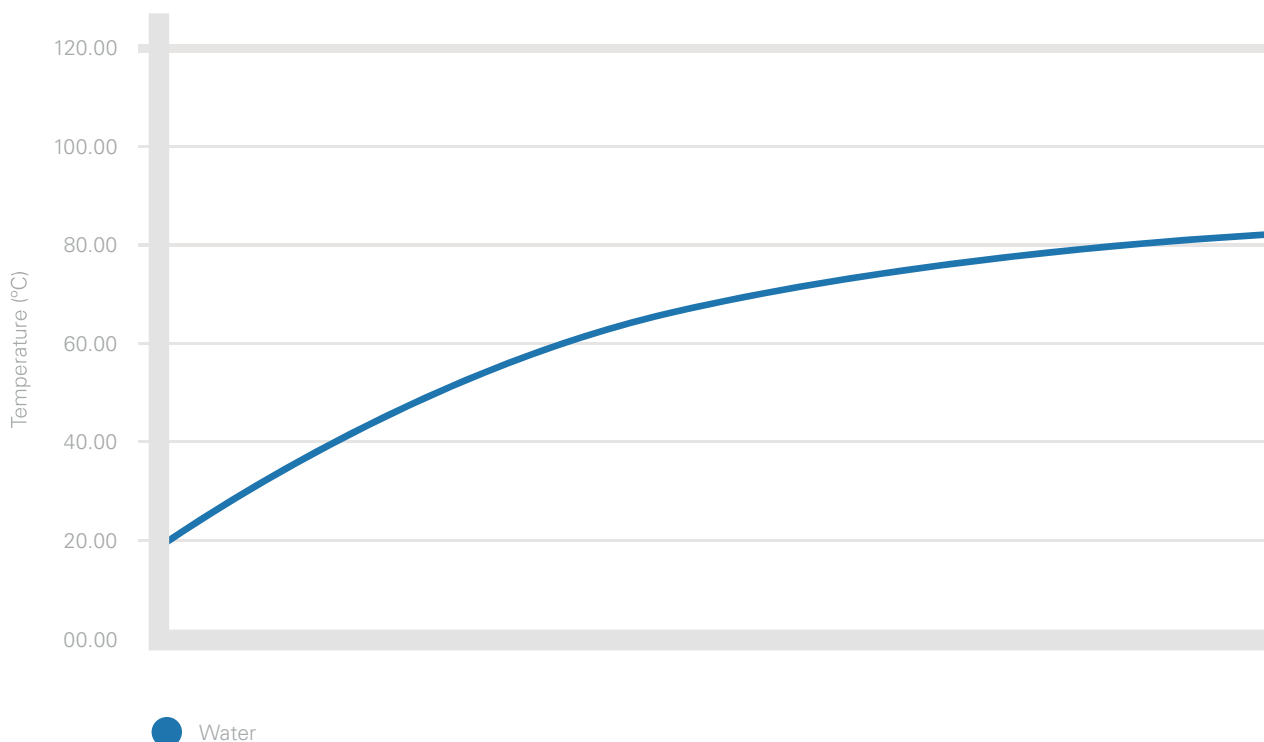
Jacket Material	Silicone coated glass fibre cloth
Insulation	E-glass fibre blanket
Element	Silicone insulated spiral wound resistance element
Control	+20 to +220°C Adjustable thermostat
Power Cable	4 Metre HO7RN-F
Fixing	Polypropylene webbing with quick release adjustable buckles

Technical Data

- Power rating: 110 or 230 Volts
- Temperature Control: 0 to 120°C or 20 to 220°C thermostat

Drum Size	Size mm	Power	Diameter*mm
25L	400 x 1020	380W	277 to 315
50L	440 x 1250	450W	350 to 388
105L	440 x 1650	700W	470 to 515
200-210L	800 x 1950	1800W	573 to 611

* Minimum to Maximum - The diameters given do not guarantee perfect fit. If fitting to the largest diameter the edges of the jacket may not touch. The optimum diameter is midway between the two given diameters.

HTSD TEST DATA

The graph above shows a test report on the HTSD 1200W.

Service Package

During process heating all jackets are likely to come in to contact with materials which can affect product performance. While silicone has excellent chemical resistance properties, in an environment where your heating solution can become covered in harmful cleaning chemicals or contaminated with hot sticky substances, regular performance checks become an essential part of good operational practice. To ensure that vital process heating requirements are not interrupted the HTSD 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.

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HSHP HIGH PERFORMANCE DRUM HEATER

Product Information

High levels of performance, powerful heating capabilities and unrivalled durability – the HSHP is the latest and leading heater jacket in the product range. This premium product delivers a previously unseen specification level that offers advantages in numerous industry applications. Designed to be powerful, robust and thermally efficient, the HSHP provides the highest power option of all our drum heater jackets and is the solution to historical heater jacket limitations.

The PTFE material utilised in the HSHP range also delivers EU and US recognised regulation standards for use within the food industry and enables continued development and growth in establishing new markets to be supplied by our heating expertise.

HSHP



HSHP



AN INTRODUCTION TO THE **HSHP** HIGH PERFORMANCE DRUM HEATER

KEY FACTS

- PTFE MATERIAL DELIVERS EU AND US REGULATORY STANDARDS FOR USE WITH FOOD STUFFS
- HIGH LEVELS OF CHEMICAL AND ACID RESISTANCE
- EASY CLEAN HYGIENIC HEATER SOLUTION
- LIGHTEST HEATER JACKET ON THE MARKET
- STANDARD POWER AVAILABILITY 1800W
- DUAL ZONE AND INCREASED WATTAGES AVAILABLE ON REQUEST
- BESPOKE SIZES TO ORDER

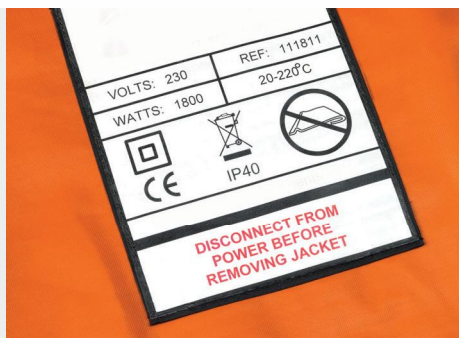
Used to achieve product temperatures at multiple levels and up to 220°C

The HSHP Drum Heater is specifically designed for melting or reducing the viscosity of products that require aggressive heating or high temperatures for handling. Used to achieve product temperatures at multiple levels and up to 220°C this jacket provides the industry standard for handling products such as waxes, soaps and materials with high water content. The outer material of this heater not only

performs in heating these solutions but can also specifically target applications for the chemical, acid and food handling. Constructed with an outer layer of PTFE coated glass fabric the HSHP has excellent thermal transfer properties and presents a great solution for maintaining consistent product temperatures of innumerable applications.



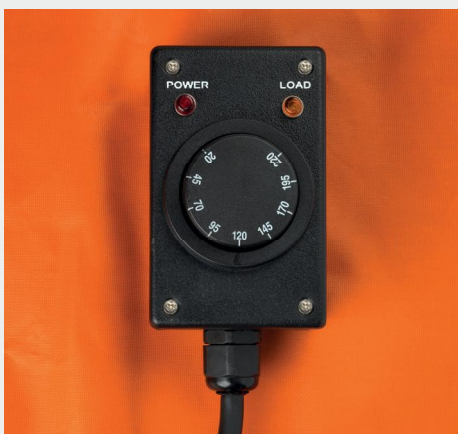
Details



Bespoke printing for the HSHP is available, detailing your company information and specifications for the element.



Quick release buckles are used for fixing the jacket quickly and easily.



The HSHP is fitted with an adjustable thermostat.

Construction

The heating element of the HSHP range of side drum heaters is stitched into an insulated jacket made from lightweight, abrasion resistant PTFE fabric; this is then insulated with a high performance E-glass fibre blanket to aid thermal efficiency. The heating jackets

safely. Quick and easy to fit, the HSHP side drum heater is supplied with quick-release buckles and 4 metres of robust rubber power cable and can be fitted with a range of thermostats.

Jacket Material	PTFE coated glass fibre cloth
Insulation	E-glass fibre blanket
Element	Silicone insulated spiral wound resistance element
Control	0-90°C, 0-120°C, 20-220°C Adjustable thermostat
Power Cable	4 Metre HO7RN-F
Fixing	High temperature polyester webbing with quick release adjustable buckles

Technical Data

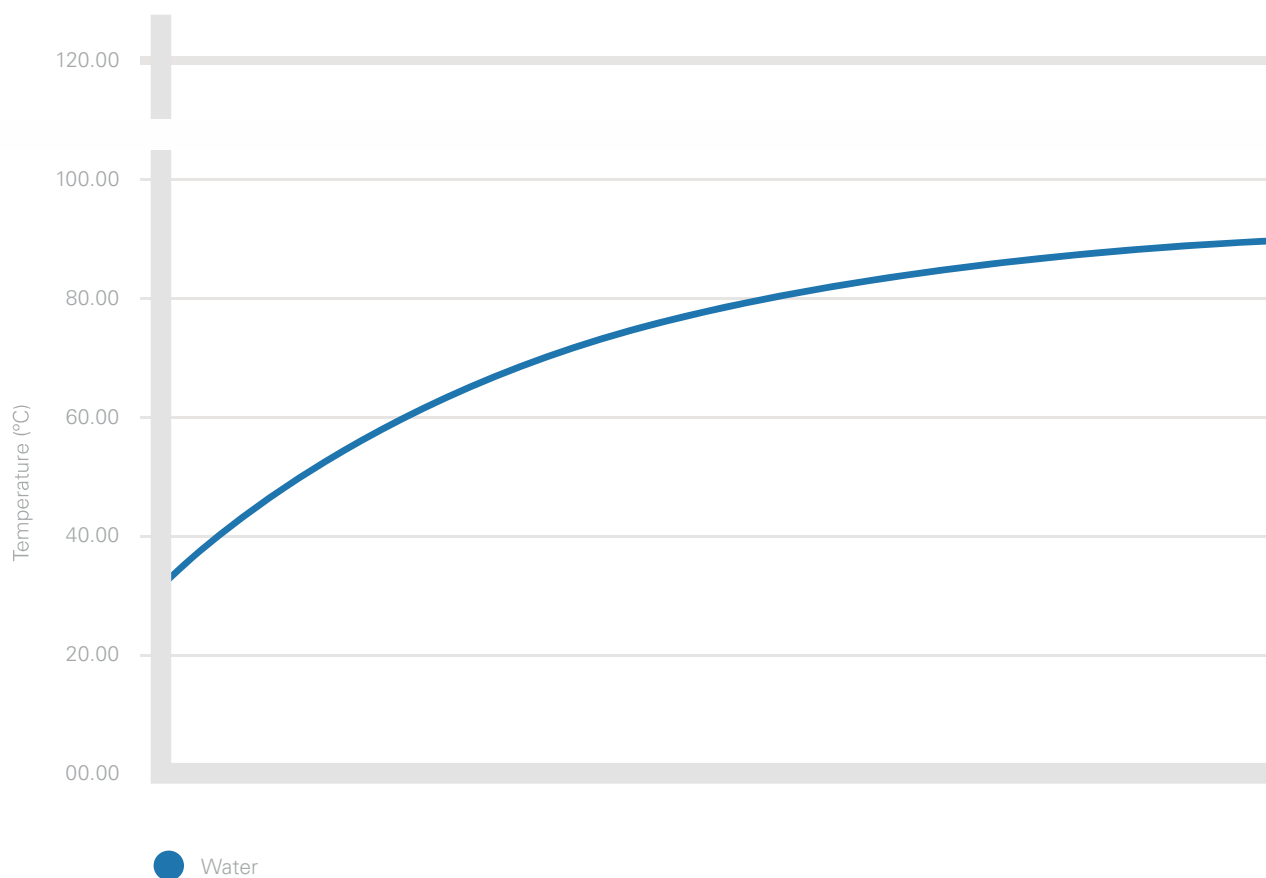
- Power rating: 110 or 230 Volts

Drum Size	Size mm	Power	Diameter*mm
200-210L	850 x 1950	1800W	573 to 611

* Minimum to Maximum - The diameters given do not guarantee perfect fit. If fitting to the largest diameter the edges of the jacket may not touch. The optimum diameter is midway between the two given diameters.

PTFE Material: Regulatory statement for coated fabrics used in contact with food available on request. The PTFE material is intended for use with all food stuffs, under any contact time and temperature conditions not exceeding the maximum operating temperature mentioned in each datasheet.

Commission Regulation: EU 10/211
US FDA regulation: 21 CFR 177 1550

HSHP TEST DATA

The graph above shows a test report on the HSHP 1200W.

Service Package

The HSHP solution delivers additional protection against many harmful substances, liquids, chemicals and acids, and is designed to perform to the highest standards in demanding environments delivering constant and dependable heating time and time again. A large part of the product Service Package is customer comfort, comfort that they have the best heating solution in fantastic working condition delivering process heating that is so vitally required. As part of this the HSHP 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.

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HSSD SIDE DRUM HEATER

Product Information

The silicone drum (HSSD) heater utilises the long standing expertise recognised in our manufacturing high quality silicone heating elements and is a unique product in the Drum and Container heating product range.

The HSSD is the go to industrial heater for fast, aggressive, high powered heating performance. With years of experience manufacturing top of

the range silicone heating elements. The HSSD heater represents the industry leading Silicone drum heater.

In recognition of the varying market demands on this product, we can now manufacture a number of bespoke versions of this product to suit a variety of specifications and budgets, details of which are available by contacting us directly.

HSSD



HSSD



AN INTRODUCTION TO THE **HSSD** SIDE DRUM HEATER

KEY FACTS

- AGGRESSIVE HEATING APPLICATIONS
- LIGHTWEIGHT EASY APPLICATION VIA SIMPLE SPRING FIXING
- SILICONE RUBBER DOUBLE INSULATED CONSTRUCTION
- MOISTURE AND CHEMICAL RESISTANT
- 0-90°C, 0-120°C OR 0-180°C THERMOSTAT
- CAN BE USED IN CONJUNCTION WITH HBD HEATER
- BESPOKE SPECIFICATIONS TO ORDER

Silicone is the perfect material for use in the construction of high powered heating elements

Specialising in the design and manufacturing of silicone heating elements the HSSD Drum Heater represents years of continued investment in this field. The highest quality product of its type on the market, delivering a silicone drum heater which far exceeds European standards in this sector.

Silicone is the perfect material for use in the construction of high powered heating elements as it offers low thermal mass and excellent thermal transfer properties.

As a consequence the HSSD is a very efficient method of heating.

Incorporating either a capillary or an electronic thermostat for precise temperature control, the element delivers uniform heating from accurately positioned PFA coated, multi-stranded resistance wires and is used to reduce the viscosity of materials such as soaps, fats, foodstuffs, varnishes and chemicals allowing them to be pumped or poured with ease.



HSSD Side Drum Heater

Details



Printing for the HSSD is available, detailing the specifications for the element.



Can be fitted with a capillary or electronic thermostat for precise temperature control.



A flexible and aggressive heating solution.

Construction

Utilising only the highest quality components in the construction of their products but this is no truer than with the HSSD. Effective and simple the silicone side drum heater gives exceptional performance incorporating a 0-120°C capillary or 0-180°C electronic thermostat that delivers precise even heating from PFA coated, multi-stranded resistance wires. The wires are laid with optimum design throughout the heater giving superior flexibility while negating the physical stress caused by thermal expansion during operation. Applying uniform surface heat to the product eliminates concerns for localised over heating preventing damage to more sensitive materials such as sugars and glucose. A simple fixing arrangement via a hook and spring provides swift, flexible and easy installation.

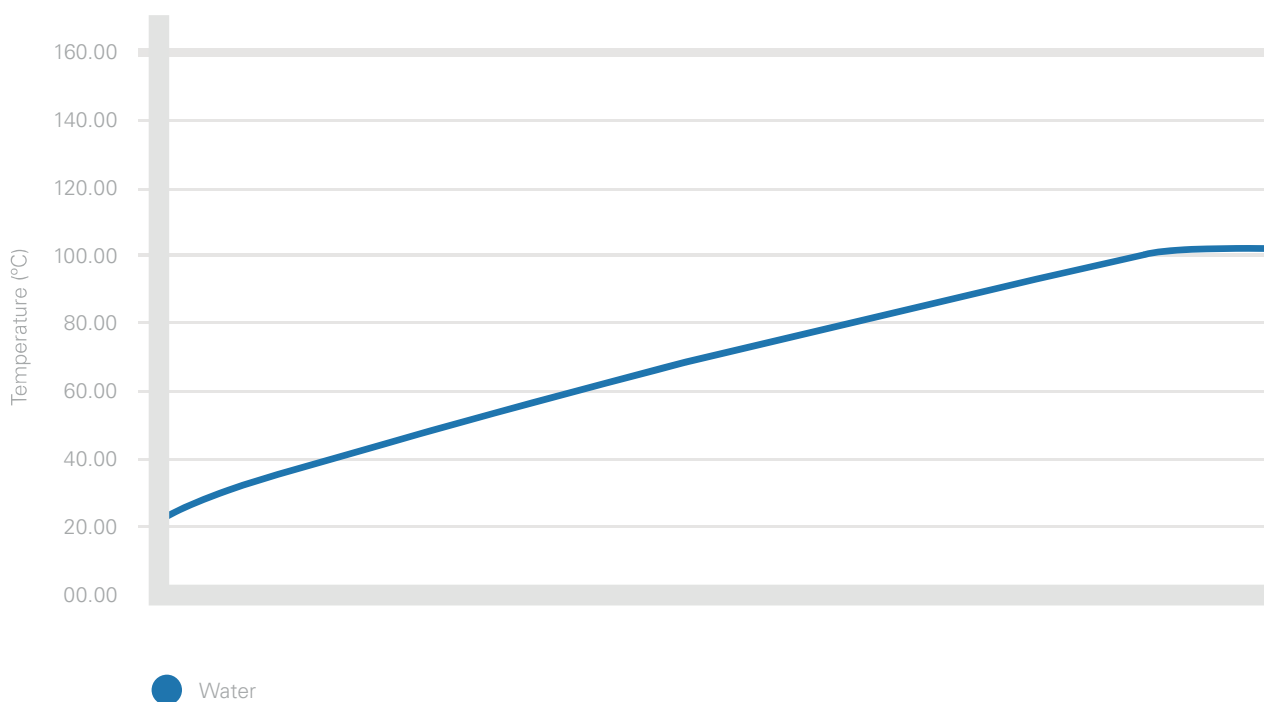
Material	PFA multi strand resistance wire sandwiched between silicone rubber and glass fibre sheets
Control	Capillary Thermostat or Electronic Thermostat
Power Cable	2 Metre HO7RN-F
Fixing	Stainless steel plates or hooks and spring

Technical Data

- Power rating: 110 or 230 Volts
- Temperature: 0-120°C or 0-180°C

Drum Size	Size mm	Power
25L	125 x 800	300W
50L	125 x 940	500W
105L	125 x 1300	800W
200-210L	125 x 1665	1000W
200-210L	180 x 1665	1000W or 1500W

* Minimum to Maximum

HSSD TEST DATA

The graph above shows a test report of 3 x 1500W HSSD'S fitted to a 200l Steel drum.

Service Package

Harsh environments, exposure to liquids, chemicals and waxes it is not uncommon for the HSSD to carry visually the effects of a demanding everyday heating regime. To ensure that vital process heating requirements are not interrupted the HSSD 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.

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HBD BASE DRUM HEATER

Product Information

The most robust of all of our drum heating products, the HBD is ideal for use in arduous industrial environments. Its rigid steel construction makes the product ideal for location in warehouses, chemical transfer facilities and on building sites.

Designed to melt or reduce the viscosity of soaps, fats, waxes, varnishes and oil based solutions, the heater's specifically shaped design provides

a stable base to support industry recognised 200L drums while allowing flush contact between the heated face and the base of the drum providing an even and thermally efficient heating action.

This product can be combined with a number of our other heating products to maximise overall heating performance within the desired application.

HBD



HBD



AN INTRODUCTION TO THE **HBD** BASE DRUM HEATER

KEY FACTS

- SUITABLE FOR METAL DRUMS & AGGRESSIVE HEATING APPLICATIONS
- ROBUST STEEL CONSTRUCTION
- EVEN HEAT OVER PLATEN AREA
- IP40 PROTECTION
- 0 TO 150°C THERMOSTAT
- 2 METRE ARMOURED POWER CABLE

The HBD heater is designed for use in the toughest of industrial environments

Manufactured from 2mm thick mild steel for extra rigidity on uneven surfaces and with tapered edges for safe drum location the HBD Base Drum heater is designed for use in the toughest of industrial environments.

The product makes use of years of manufacturing expertise and supplies heat through an etched foil silicone heating element bonded under the platen area.

Used for similar purposes to (and sometimes in conjunction with) the HSSD, the Base Drum Heater offers uniform heating across the base of a drum ensuring the product is evenly heated to temperatures up to 150°C.



Details



The HBD is suitable for 200-210L drums.



Fitted with a 0 to 150c adjustable thermostat.



Ideal heating solution for the toughest industrial environments.

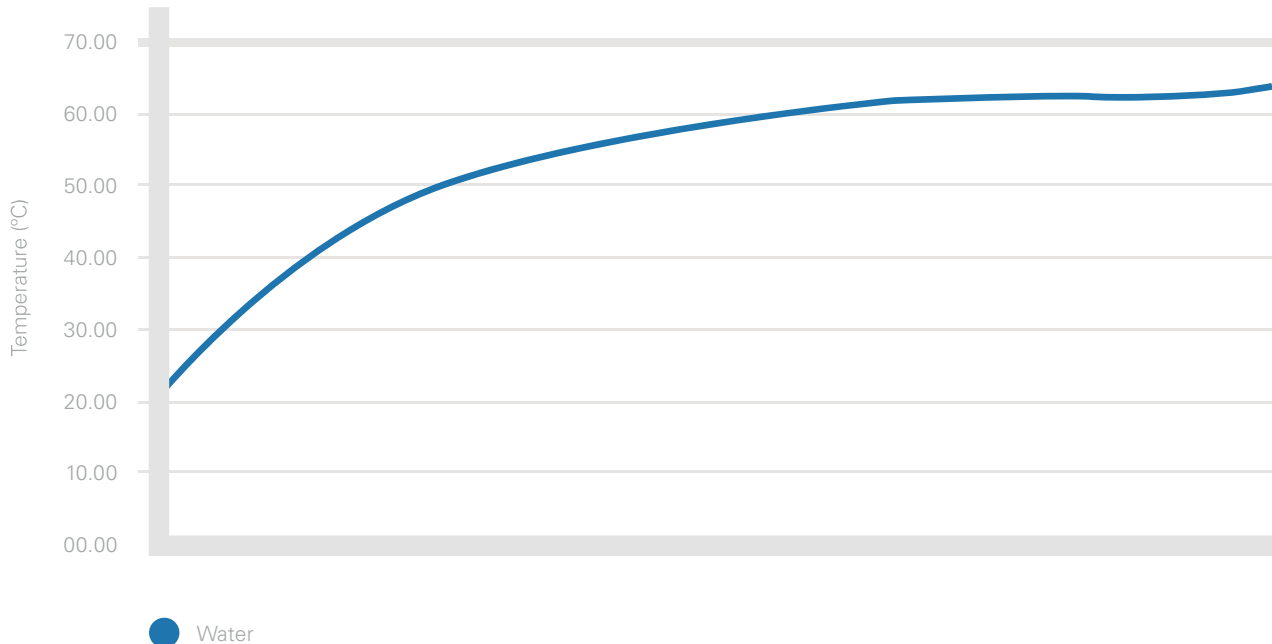
Construction

The 2mm thick steel construction of the HBD is protected by a resilient high temperature coating ensuring the product can perform in tough environments while retaining decent aesthetic appearance. Temperature adjustment is via a rear aperture in the control unit, with neons indicating power on and load switching, viewed through a window in the control unit top. Heat is supplied via a silicone insulated etch foil heater which is further insulated with 50mm of high density rock wool. This ensures excellent uniform thermal transfer into the drum and minimal heat transference in to the base of the unit.

Size	Platen: height 70mm
Diameter	Top 550mm, Base 600mm
Control unit	Height 105mm, Protrusion 280mm
Insulation	50mm Rockwool
Element	Silicone insulated etch foil heater mat
Control	0 to 150°C Adjustable thermostat
Power Cable	2 Metre SY type armoured

Technical Data

- Voltage: 110 or 230 Volts
- Wattage: 900 Watts
- Temperature Control: 0-150°C
- Supply Lead: 2 Metres flexible armoured
- Platen: Height 70mm, Diameter top 550mm, Base 600mm
- Control Unit: Height 105mm, Protrusion 280mm
- Overall Unit: 880mm Long, 600mm Wide, 105mm High

HBD TEST DATA

The graph above shows a test report of the HBD with the HIJD Insulated jacket.

Service Package

With the HBD being utilised in the most arduous and demanding of working environments it's not unusual for the heater to be put under excessive stress or to have corrosive chemicals spilt on it. To ensure that vital process heating requirements are not interrupted the HBD 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.

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HIBC/B INTERMEDIATE BULK CONTAINER HEATER

Product Information

The HIBC/B is the largest of the standard heater jackets – spanning 4.4M in length. Designed to fit most common 1000L intermediate bulk containers (IBC) regularly found throughout many industries in the UK and Europe.

Versatile and robust in construction the HIBC/B delivers critical process heating that can be specifically controlled depending on the volume of the IBC contents. The IBC heater is also available

with an insulation lid that not only significantly decreases heat up time but also increases maximum heated temperatures.

Customers can utilise our bespoke design capabilities to fully customise the HIBC/B to be produced in sizes from 1.4M wide to 8M long depending on power requirements.

HIBC/B



HIBC/B



AN INTRODUCTION TO THE **HIBC/B** INTERMEDIATE BULK CONTAINER HEATER

KEY FACTS

- CLASS II DOUBLE INSULATED CONSTRUCTION
- OPTION OF SINGLE OR DUAL POWER CIRCUITS
- IP40 PROTECTION
- ADJUSTABLE QUICK RELEASE BUCKLES FOR EASY FIT
- EASY INSTALLATION HOOK SUPPORTS
- 0 TO 40°C OR 0 TO 90°C THERMOSTAT
- BESPOKE SIZES AND PERFORMANCE TO ORDER

The HIBC/B heater is the ideal solution for heating liquid materials effectively

Intermediate Bulk Containers (IBCs) are a commonly recognised storage unit within a magnitude of industries creating a significant heating demand. The HIBC/B IBC Heater works by creating an oven effect around the plastic container inside a bottle-in-cage type IBC and is utilised in pharmaceutical, chemical, cosmetic and food industries alongside many others.

Using a simple hook mechanism to secure the top edge of the jacket, the heater is easy

and quick to install and, unlike expensive conventional ovens, allows the IBC to be heated at its point of use.

Originally designed as standard with upper and lower heat zones, each with separate thermostatic control, the HIBC/B heater is the ideal solution for heating liquid materials effectively allowing the upper heating zone to be switched off once the content level has fallen below half way.



Details



Flap for filler access.



Quick release buckles are used for fixing the jacket quickly and easily.



Bespoke printing for the HIBC/B is available, detailing your company information and specifications for the element.

Construction

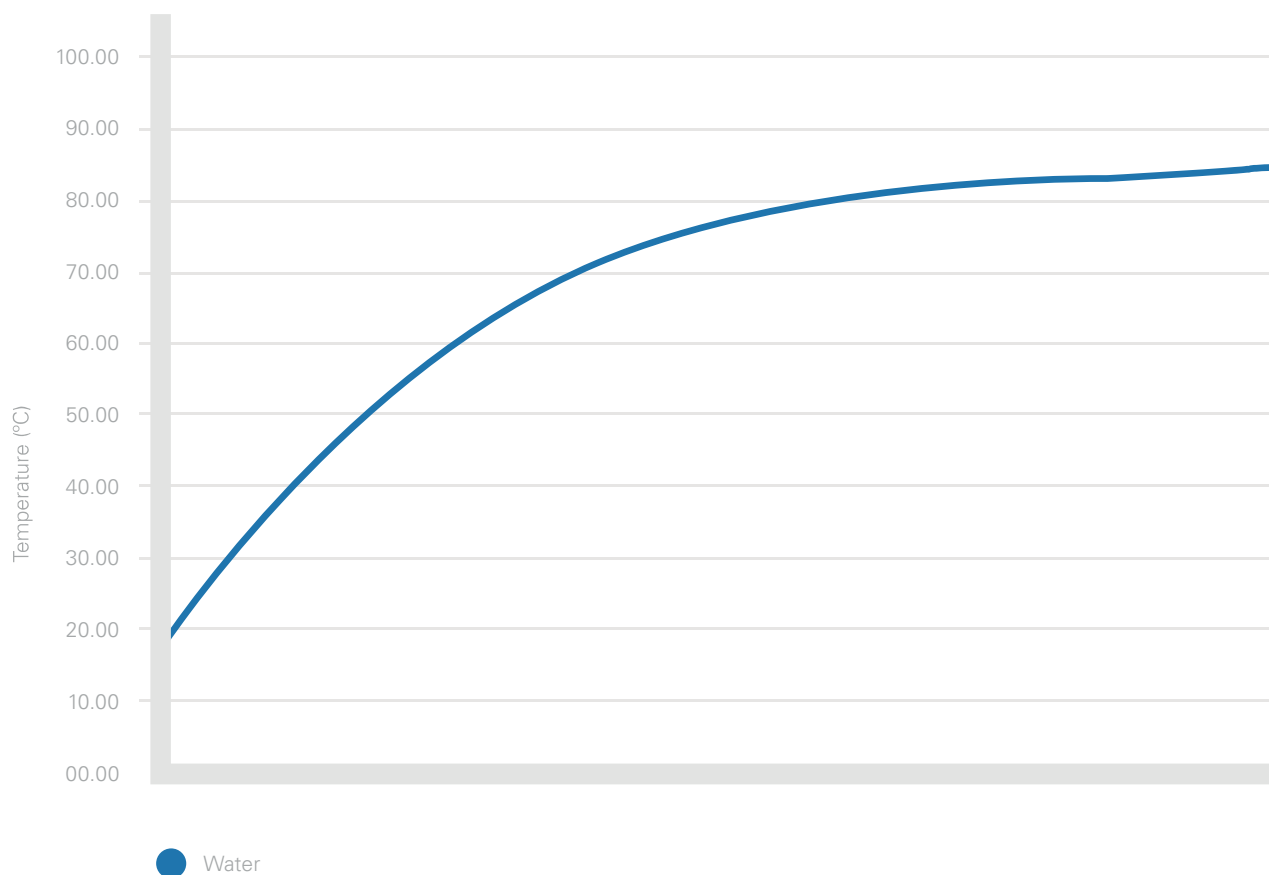
The silicone insulated heating elements HIBC/B container heater is stitched into a jacket made from a water resistant, flame retardant Polyester material and insulated with a thermally efficient E-glass fibre insulation blanket to ensure that the power is directed effectively in to the application. The final construction of the element complete with quick release buckles for ease of installation and removal and to further assist fitment the HIBC/B is designed with 5 polypropylene mounting hooks along the top edge of the jacket enabling quick and efficient handling upon fitting.

The final construction of the heater is marked as a class two double insulated product to meet European safety standards. All HIBC/B container heaters are supplied with 4 metres of rubber power cable and fitted with either 0 to +40°C or 0 to +90°C capillary thermostats with a built in 135°C automatic reset limiter for over-temperature protection.

Material	Flame retardant Polyester material
Insulation	E-glass fibre blanket
Element	Silicone insulated spiral wound resistance element
Control	0 to +40° or 0 to +90°C Adjustable thermostat
Power Cable	4 Metre HO7RN-F
Fixing	Polyester webbing with quick release adjustable buckles Installation Hooks: Polypropylene mounting hooks x 5

Technical Data

- Voltage: 110 or 230 Volts
- Power Rating Options: 1000W, 1300W or 2 x 1000 Watts
- Temperature Control: 0 - 40°C or 0 - 90°C

HIBC/B TEST DATA

The graph above shows a test report of the HIBC/B with Lid.

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. Due to the nature of the largest heater jacket in the standard range, the HIBC/B product is often vigorously handled and as such exposed to excessive wear and tear. The HIBC/B 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.

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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

- 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.



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.

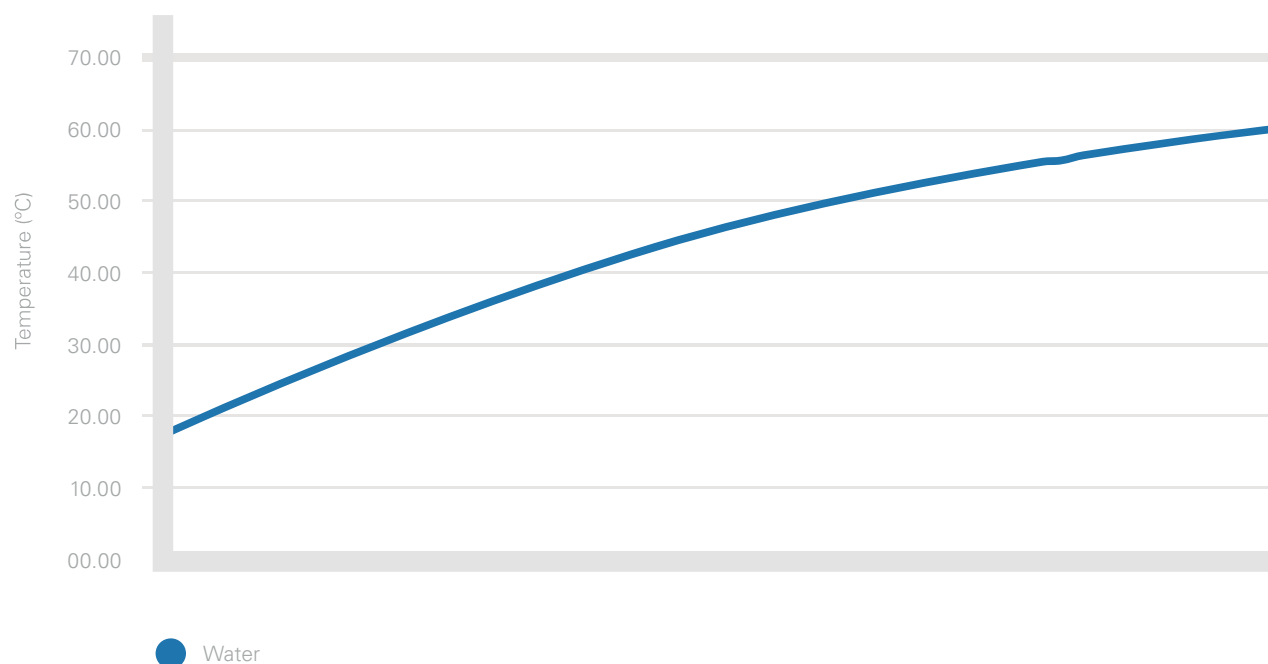
Technical Data

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.

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HIJD INSULATED JACKET

Product Information

The HIJD insulated jacket is a unique member of our product range. Designed for insulation applications and maintaining container temperatures, the HIJD is the only unheated jacket we offer providing a cost effective method of minimising heat loss from pre-heated containers and their contents.

The HIJD is lightweight and easy to fit with a top flap which allows for the contents of the drum or IBC to be poured. In barrel form the jacket comes

pre-shaped to the appropriate diameter while in IBC form the construction remains similar to that of the HIBC/B product but without the internal heating element.

When used in conjunction with the HBD heating times are shorter and therefore energy costs are reduced. Following the material being heated with a HSSD, HISD or HIBC/B product, the HIJD can be fitted, preventing or reducing temperature loss.

HIJD



HIJD



Details



Easy installation with Velcro fixing strips.



Lightweight and can be used in conjunction with the HBD.



Flap for filler access.

Construction

High performance polyester blanket insulation contained within layers of flame retardant polyester give the jacket a durable and industrial feel. Manufactured with easy to fit Velcro fixing strips or easy release buckles depending on the jacket size and a moveable flap for ease of access the HIJD jacket the most simple and effective way of keeping your products warm.

Jacket Material	Flame retardant polyester fabric
Insulation	Polyester Fibre
Fixing	Drum Variations; Velcro. IBC Variations; Easy release buckles.
Tolerances	Suitable for use up to 90C (High temperature versions available upon request)

Testing Procedure

In being continually dedicated to ongoing test and product improvement programs, through our Quality, Research & Development departments, we want to ensure that the product we deliver will meet both market life expectancy and reflect the progressive product improvements that such a competitive sector demands.

Internal final inspection teams deliver 100% inspection of our heaters before dispatch, a measure to ensure all manufacturing tolerances are present 100% of the time. Our product performance test regime dictates all areas that need developing are met to align our heaters with our core values and quality.



HISD, HTSD, HSHP INSULATION DRUM LIDS

Product Information

This key drum heater accessory is individually designed to maximise the performance of the 3 core heater jacket ranges in the HISD, HTSD and HSHP. It is a simple fact that heat rises (although our heating jackets are designed minimise losses through the heated side areas of the drum) and with all drum applications some thermal losses will be experienced from the top of the drum. Our low cost, environmentally friendly and thermally efficient Insulation lid provides a solution for these losses and significantly increases the performance of your heating jacket.

The insulation Drum Lid range delivers 200/220L drum compatible lids for all heating and market demands. Through our R&D programs we have established a 20% increase in achievable maximum temperatures and a reduction in process heating times. Available to combine with all heating jackets and manufactured in flame retardant, silicone coated or PTFE materials the Insulation Drum Lid is a must have in the pursuit of achieving optimum performance each and every day.

HSHP



HTSD



Details



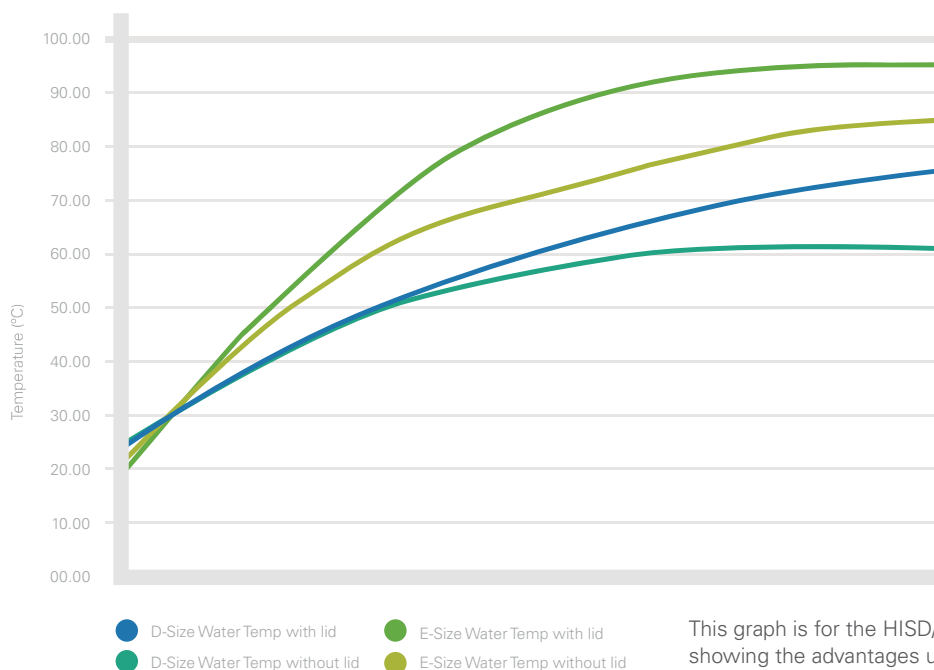
Lids available across our range of products, an accessory to maximise the performance of our products.



Option for branding on top of the lid is available.

KEY FACTS

- CONSTRUCTED USING FLAME RETARDANT POLYESTER, SILICONE COATED GLASS FIBRE, PTFE MATERIAL (ACCORDING TO HEATER JACKET CONSTRUCTION).
- LID PREVENTS LOSS OF RISING HEAT THROUGH THE MAIN HEAT LOSS AREA; TOP OF THE DRUM.
- LENGTH OF SPECIFIC LID SKIRT MEANS THE LID IS SUITABLE FOR BOTH E AND D SIZE JACKETS (HISD OPTION ONLY).
- OVERLAPPED SKIRT MAKES THE LID EASY TO FIT WHILST REDUCING HEAT LOSSES.
- REDUCES PROCESS HEATING CYCLES.
- FITS BOTH STEEL AND PLASTIC 200/220L DRUMS WITH TOP DIAMETERS OF <600MM.
- LIGHTWEIGHT & DURABLE.
- OPTION FOR BRANDING ON LID.



This graph is for the HISD/D & HISD/E showing the advantages using the lid.

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