

Thermal Solutions

Heated IBC Jackets



Product	-	Product Code	Page
Single Circuit Heated IBC Jacket	-	HEATJKT01	2
Double Circuit Heated IBC Jacket	-	HEATJKT02	3
Triple Circuit Heated IBC Jacket	-	HEATJKT03	4
Insulated IBC Lid	-	LID	5
ATEX Approved Heated IBC Jacket	-	ATEXIBCZ1	6
Insulated IBC Jacket	-	INSJKT01	7
Heavy Duty PVC IBC Cover	-	PVCOVER	8
User Health & Safety	-	-	9

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Thermal Solutions

Single Circuit Heated Jacket

Article # HEATJKT01

Single Circuit Heated IBC Jacket for 1000L IBC

Designed for the long term insulation of IBCs suitable for a vast range of liquids and chemicals. The Single Circuit IBC Jacket will help to keep your product warm and keep viscosity low.

Why use a Single Circuit Heated IBC Jacket?

- To gently warm a product
- To eliminate the risk of your product freezing
- To reduce viscosity

What are the benefits of using a Single Circuit IBC Jacket?

- A cost effective way of heating products inside an IBC
- A Heavy Duty design means durability in tough industrial applications
- Compatible with insulated IBC lid to keep heat loss to a minimum



Jacket Material

Nylon, custom coated or silicone glass-cloth base fabrics

Hydrolysis resistant, polyurethane coated polyamide substrate with fluorocarbon finish as standard, for hard wearing outer surfaces

Chemically resistant and high power materials as options

High density polyester or fibreglass insulation

Silicone insulated spiral wound resistant element, or patented heater membrane for InteliHeat hazardous area jacket

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Double Circuit Heated Jacket

Article # HEATJKT02

Double Circuit Heated IBC Jacket for 1000L IBC

Designed for the long term insulation of IBCs. Suitable for a vast range of liquids and chemicals. The Double Circuit Heated Jacket allows users to heat liquids as evenly as possible.

Why use a Double Circuit Heated IBC Jacket?

- For heating product quickly
- For heating liquids in an even manner
- To reduce viscosity evenly throughout the product



What are the benefits of using a Double Circuit IBC Jacket?

- The twin heating circuits allow separate control of the top and bottom of the jacket
- Heavy Duty design means durability in tough industrial applications (Please Note – Cover is not to be used for permanent outdoor use without the use of the Heavy Duty PVC Cover)
- Compatible with Insulated IBC Lid to keep heat loss to a minimum

Controllers

Adjustable or fixed temperature thermostats available

The electrical insulation is double insulated for safety

Standard 240v ac or optional 110v ac

Power cable of 5 metres, 2 x 1mm², PVC insulated, sheathed and galvanised braided steel wire

-5°C to 40°C adjustable as standard on Single Circuit Heated IBC Jacket, 0°C to 90°C adjustable as standard on Double and Triple Heated IBC Jackets

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Triple Circuit Heated Jacket

Article # HEATJKT03

Triple Circuit Heated IBC Jacket for 1000L IBC

Designed for the long term insulation of IBCs. Suitable for a vast range of liquids and chemicals. The Triple Circuit Heated IBC Jacket allows users to heat their product as quickly as possible.



Why use a Triple Circuit Heated IBC Jacket?

- For rapid heating
- For minimum heat loss
- To greatly reduce product viscosity

What are the benefits of using a Triple Circuit IBC Jacket?

- The faster heating time means a greatly reduced waiting time
- Heavy duty design means durability in tough industrial applications (Please Note – Cover is not to be used for permanent outdoor use without the use of the Heavy Duty PVC Cover)
- Comes with Insulated IBC Lid as standard to keep heat loss to an absolute minimum

Safety Features

Complies with IEC 60519 Safety in electro heating installations
Complies with IEC 60364-4 Protection against electric shock and thermal effects

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Insulated IBC Lid

Article # LID

Insulated IBC Lid for Single, Double and Triple Circuit IBC Heated Jackets

Designed for the long term insulation of IBCs. Suitable for a vast range of liquids and chemicals. The Insulated IBC lid helps keep heat loss to an absolute minimum, when used in conjunction with the Single, Double and Triple Circuit Heated IBC Jackets.



Why use an Insulated IBC Lid?

- To reduce the amount of heat lost via the top of an IBC
- To reduce heating time, thanks to decreased heat loss

What are the benefits of using an Insulated IBC Lid?

- Still allows easy access to the IBC Top Cap
- Comes as standard with Triple Circuit Heated IBC Jacket
- Heavy duty design means use in tough industrial applications

About the Lid

Slips easily over the top of an IBC and overlaps with heated IBC Jacket

Can be tightened using toggles found on the corners of the Insulated IBC Lid

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ATEX Approved Jacket

Article # ATEXIBCZ1

ATEX Approved Jackets for use in Hazardous Zones 1 & 2

Designed for the long term insulation of IBCs. Suitable for a vast range of liquids and chemicals. ATEX Approved Jackets allow users to keep their product heated safely in Hazardous Zones 1 & 2.



Why use an ATEX Approved Heated IBC Jacket?

- Designed for use within areas where potentially explosive gases and dusts are present
- ATEX Certified equipment MUST be installed and used in Hazardous Zones 1 and 2
- To reduce product viscosity within Hazardous Zones 1 and 2
- Cost effective way of gently warming products within Hazardous Zones 1 and 2

What are the benefits of using an ATEX Approved Heated Jacket?

- Heavy duty design means durability (Please note – Not intended for use outside and not compatible with heavy duty cover)
- Much more cost effective than an ATEX approved oven
- More convenient than a fixed place certified oven

ATEX Jackets

For use with Pensteel's EX range of IBCs

Still compatible with Insulated IBC lids

ATEX & IECEx Certified EX II 2 G, Ex e II T3 T150°C Zone 1 and Zone 2, EN60079-0:2004, EN60079-7:2003 Certifications

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Insulated IBC Jacket

Article # INSJKT01

Insulated IBC Jacket for 1000L IBC

Designed for the long term insulation of IBCs. Suitable for a vast range of liquids and chemicals. The Insulated IBC Jacket is used to keep liquids warmer for a longer period of time, once they are not longer being actively heated.

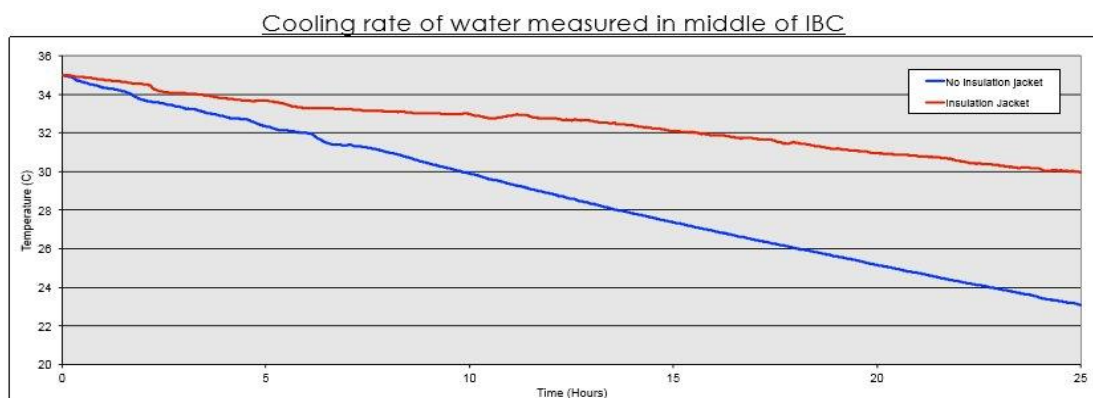


Why use an Insulated IBC Jacket?

- To keep product warmer for longer, once active heating has stopped
- To reduce risk of product becoming too cold and viscous

What are the benefits of using an Insulated Jacket?

- Cost effective way of keeping a product warm once it has been heated
- Compatible with Insulated IBC Lid
- Compatible with Heavy Duty Cover



The graph above shows the cooling rate of water measured in the middle of the container. A significant reduction in the cooling rate can be seen.

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Heavy Duty PVC Cover

Article # PVCOVER

Heavy Duty PVC Cover for 1000L IBCs

Designed for the long term protection of IBCs. Suitable for a vast range of liquids and chemicals. The Heavy Duty PVC Cover is used to protect either an uncovered IBC, or an IBC with heated jacket.

Why use a Heavy Duty PVC Cover?

- To protect an IBC from dust, water and other small, non-hazardous debris found in industrial environments
- To allow use of Double and Triple IBC Jackets in outside conditions



What are the benefits of using a Heavy Duty PVC IBC Jacket?

- Keeps IBC cleaner and better protected in outside environments
- Helps protect IBC against rusting, from being left outside in the rain
- Protects the Heated IBC jackets from the outside weather (Please note – Heavy Duty Cover is not compatible with ATEX Approved Jackets)



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User Health & Safety

TO RETAIN THE MAXIMUM LIFE FROM YOUR IBC JACKET

- Remember to unplug the Jacket prior to moving the IBC
- Disconnect the power supply before removing the Jacket from the IBC
- Never remove and fold a jacket up when it is plugged in, or still hot
- Do not drag the jacket across the floor
- Do not allow power cables to be dragged across the floor
- Should the power cable become damaged/frayed, or kinked do not use until a qualified electrician has ascertained the condition of the jacket
- The Jacket may be washed (By hose only, do NOT use a power/jet/steam washer), make sure that the Jacket is on an IBC and unplugged before carrying out the operation (Although the Jackets are water resistant, it is always better to carry out cleaning operations when unplugged)
- Should any damage occur, please contact us to obtain repair estimate, do not attempt to repair the jacket yourself, or continue using the Jacket.



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