

Installation, Operation & Maintenance Instructions



InteliHeat Heating Jacket

Type: IBC
Power: 550 W/m²

CD040

Certification

This InteliHeat Heating Jacket is designed to be used with plastic liner, metal frame Intermediate Bulk containers (IBC). It should be secured around the container and used to heat its contents. The jacket is manufactured from a heating element surrounded by glass cloth coated with silicone or a similar rubber compound. Insulation is used to retain heat. The device should not remain energised when not secured in position around the container.

This InteliHeat Heating Jacket is certified for use at voltages up to 240v. It has been given the following rating

 II 2 G Ex e II T3

The InteliHeat Heating Jacket may be used in zones 1 and 2

When heating plastic liner, metal frame IBC's, the heating jacket may be run up to the voltages in the table below.

| Nominal Voltage | Ambient temperature range | Certified temperature rating |
|-----------------|---------------------------|------------------------------|
| Up to 240v | -20 to 40C | T3 150C |
| Up to 230v | -20 to 35C | T4 135C |
| Up to 131v | -20 to 40C | T5 100C |
| Up to 100v | -20 to 40C | T6 85C |

The above T ratings also apply when the InteliHeat heating jacket is used with an LMK insulated lid

The InteliHeat Heating Jacket may also be used to heat up 4 x 210L drums in a square configuration when sitting on a pallet. See table below: (Used with or without an LMK insulated lid)

| Nominal Voltage | Ambient temperature range | Certified temperature rating |
|-----------------|---------------------------|------------------------------|
| Up to 240v | -20 to 40C | T3 150C |
| Up to 235v | -20 to 30C | T4 135C |
| Up to 240v | -20 to 28C | T4 135C |
| Up to 200v | -20 to 40C | T4 135C |
| Up to 130v | -20 to 40C | T5 100C |
| Up to 90v | -20 to 40C | T6 85C |

Supply

Single Phase 240volts maximum, 50/60Hz AC, 7A, 1.7kW nominal

The jacket is a double insulated product and does not require an earth

Operation

LMK Heating Jackets are designed for use in industrial applications and should only be installed by a competent person. The jacket should only be used to heat the types of containers described above.

The InteliHeat Heating Jacket is fitted with a supply cable, ensure this is terminated in a suitably certified enclosure or safe area. The jacket must be connected in series with an RCD (Not applicable for IT supplies).

Do not connect to the supply until the jacket is correctly positioned. Always disconnect before removal.
FAILURE TO DISCONNECT PRIOR TO REMOVAL MAY RESULT IN OVERHEATING AND DAMAGE TO THE JACKET.

Warning:
Ensure that the jacket is only energised when around a suitable container

Wrap the jacket around the container to be heated and adjust the retaining straps until a close fit is obtained without over-tensioning the jacket.

The jacket should be fully spread and not compressed by any obstructions.

The jacket contains a self limiting heating membrane which will maintain a constant temperature on the surface of the jacket. See table below:

| Nominal voltage | Ambient temperature | Approximate temperature of IBC wall (measured at outer surface) |
|-----------------|---------------------|---|
| 240v | 20C | 55C |
| 110v | 20C | 30C |

CHECK WITH THE SUPPLIERS OF THE IBC AND ITS CONTENTS THAT IT IS SAFE TO HEAT TO THE SET TEMPERATURE.

When using the heater on a material for the first time it is recommended to monitor the heating performance. Note: Temperature of the material within the container will usually be lower than the jacket wall temperature.

During and after heating, care should be taken when handling the jacket heater and container.

Ensure that the container is vented to prevent internal pressure build up.

The heating jackets should not be used in conjunction with any other heating appliance.

The IntelliHeat Heating Jacket is designed to be used in sheltered areas

The Jacket should be installed so it is protected from mechanical damage.

The Jacket should only be used in indoor locations

The IntelliHeat Heating Jacket is manufactured from a silicone or similar rubber compound coated glass fibre cloth with a PVC insulated supply cable. The heating jacket is not suitable for use in applications where it may be subjected to aggressive chemicals.

Safety

Ensure the heating jacket is not operated when folded

Maintenance

BEFORE EACH USE, CHECK THE OVERALL FABRIC OF THE HEATING JACKET, THE STITCHING, CABLE GLAND AND SUPPLY CABLE, TO ENSURE THEY ARE FREE FROM ANY DAMAGE. CONTACT MANUFACTURER IS ANY DAMAGE IS FOUND.





10 -12 Spring Rise
Falconer Road
Haverhill
Suffolk,
CB9 7XU
England

Tel: +44 (0)1440 707141
Fax: +44 (0)1440 713344

Info@drumheating.com
www.lmkthermosafe.co.uk