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Installation, Operation & Maintenance Instructions




IntelHeat Heating Jacket

Type: 210L D
Power: 550 W/m²

CD041



Certification Nos. Sira07ATEX3293X IECEx Sir07.0101X  II 2 G Ex e II T3
Certified to IEC Standards 60079-0, 60079-7. For use in Zones 1 and 2.



Certification

The IntelliHeat Heating Jacket is designed to be used with drums up to size 45g imperial/ 55g US/ 210L. 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 around the container.

This IntelliHeat 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 IntelliHeat Heating Jacket may be used in zones 1 and 2

The heating jacket may be run up to the voltages in the table below when around a 45g imperial/ 55g US/ 210L metal drums.

Nominal Voltage	Ambient temperature range	Certified temperature rating
Up to 240v	-20 to 40C	T3 150C
Up to 230v	-20 to 30C	T4 135C
Up to 195v	-20 to 40C	T4 135C
Up to 120v	-20 to 40C	T5 100C
Up to 95v	-20 to 40C	T6 85C

The IntelliHeat Heating Jacket may also be used with an LMK flexible heated lid around 210L metal drums.

Nominal Voltage	Ambient temperature range	Certified temperature rating
Up to 240v	-20 to 30C	T3 150C

The IntelliHeat Heating Jacket may also be used to heat up 210L plastic drums

Nominal Voltage	Ambient temperature range	Certified temperature rating
Up to 240v	-20 to 30C	T3 150C
Up to 230v	-20 to 40C	T3 150C
Up to 190v	-20 to 40C	T4 135C
Up to 118v	-20 to 40C	T5 100C
Up to 95v	-20 to 40C	T6 85C

Supply

Single Phase 240volts maximum, 50/60Hz AC, 3A, 720W nominal

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

Operation

LMK Heating Jackets are designed for use in industrial areas and should only be installed by a competent person.

The IntelliHeat 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 jacket when around a steel drum (measured at inner surface)
240v	20C	80C
110v	20C	40C

CHECK WITH THE SUPPLIERS OF THE CONTAINER 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.





Industrial Heating Technology
for drums IBCs totes & containers

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