

InteliHeat – Safe Heating for IBC in Hazardous Areas

LMK Thermosafe's new **InteliHeat** bottle-in-cage heater takes the heater jacket where it has not been before – into dangerous potentially explosive areas. The proprietary **InteliHeat** is constructed with custom elastomer and silicone coated glass cloth material outer surfaces and high density fibreglass insulation. The heating medium uses a patented technology of carbon rich semi-conducting positive temperature co-efficient membranes.

This all adds up to an exceptional level of safety in dangerous operating conditions even in the presence of potentially explosive gases. Because of this, it has received ATEX and IECEx Hazardous Area Certification for Zone 1 and Zone 2.

The **InteliHeat** comes standard for use with bottle-in-cage IBC such as Schütz and Mauser and will achieve similar or better heating rates as compared to the standard IBC2. A standard LMK IBC insulated lid can be used to reduce heat loss and improve heating times. When used with an insulated lid, temperatures of up to 55°C should be achievable (product and environment dependent). It can also be used around 4 x 205 litre drums. Custom jackets can be made to suit other styles of dangerous goods containers.

Specifications

Class II appliance
Ingress Protection IP44
Single phase 240 volt maximum 50/60Hz A.C.
Current at 240 volts is 9.5A, nom.1800W up to 2300W
5metre GSWB flexible cable supplied without plug
RCD must be fitted in series
Overall length: 4300mm; Overall height: 950mm
Weight 20kg

Certification

Standards: EN60079-0:2004, EN60079-7:2003
EC-Type Examination Certificate Number:
Sira 07ATEX3293X
IECEx Examination Certificate Number:
IECEx SIR 07.0101X
II2G Ex e II (Zones 1 and 2)

Features and Benefits

- Flexible solution to hazardous area heating in IBC examined and certified by world recognised Bodies.
- Less power to achieve warming of products makes for greater energy efficiency and lower environmental impact.
- Up to 3°C per hour temperature rise (subject to operating conditions) with a maximum up to 55°C.
- Can also be used on 4 x 205 litre drums.
- No transformers required as it operates using standard AC supply voltages.
- Easily attached to the outside of IBC and easily washed down – can be hosed down even when in operation.



Interested and require more information? Please contact your local representative or email us at info@sbhsolutions.com.au