

## **DRUM AND CONTAINER HEATING**

LMK Thermosafe have recently introduced a number of innovative products and accessories. These include powerful additions to our proven and market leading hazardous area (“Ex”) certified THERMOSAFE® Induction Heaters and completely new ATEX certified flexible heating jackets.

### **THERMOSAFE® Induction Drum Heaters**



- *Fast and efficient way of heating drums up to 205 Litres*
- *Proven lower cost alternative to multi-drum ovens*
- *240v and 110v versions*

The Thermosafe uses a single induction coil to directly heat the wall of steel drums and containers by an alternating magnetic field. This means there is no heat transfer by conventional and inefficient radiant elements. As there are no hot elements, the heater remains cooler than the drum being heated. No long term service or maintenance is required.



The Thermosafe is suitable for use in hazardous areas (zones 1 and 2), certified to both ATEX and IECEx standards.

To complement the longstanding 240v Thermosafe Type A, our 110v Type B model is now available, ideal where height is restricted, or for heating smaller containers. Two Type B heaters can also be stacked and operated at 240v.



**Certified THERMOSAFE® Lifting Frame** 

- *Suitable for single person operation*
- *Meets ATEX mechanical equipment regulations*

This mobile unit permits a single person to lift or lower the heater from the drum using a braked hand winch, and easily move the heater to other locations. A wide frame version is available to fit around larger pallets if required.

Attachment for fork lift trucks also available, call for more details



**THERMOSAFE® Top Hat**



- *Minimises heat loss and increases efficiency*
- *Can be used with Thermosafe and Faratherm, even in hazardous areas (Rigid Top Hat)*



A recent and useful addition to LMK's range of hazardous area products is the rigid THERMOSAFE® Top Hat. Designed to minimise heat loss and increase the efficiency of the heater. The addition of a THERMOSAFE® Top Hat has been shown to significantly reduce the time required to heat containers.

The Flexible Top Hat is a lower cost alternative for use in areas not requiring certification. It covers the exposed section of 205 Litre drums, increasing the maximum drum wall temperature by up to 50C.



## **FARATHERM™ Base Heater**



- ***Provides heat to the base of 205L and smaller containers***
- ***Can be combined with other LMK Heating Products***
- ***Hazardous area certified (ATEX and IECEx)***

This ATEX and IECEx certified product is the culmination of a number of year's research and development. It is designed to be safely used underneath most drums, and also in conjunction with a "Top-Hat" or our well known THERMOSAFE® Induction Heater.

The combined effect is a significant improvement in total melt times for difficult solids such as waxes and synthetic resins, whilst still keeping surface temperatures within certified limits.



## **DIGIHEAT Temperature Indicating Base Heater**

- ***Provides heat to the base of 205L and smaller containers***
- ***Digital Thermostat standard***

Top plate temperatures can be set and clearly displayed on the integral microprocessor temperature controller. The base heater can be used with or without our other drum heaters and accessories.





**INTELIHEAT™ Ex rated IBC Heating Jacket**



- **Safe Heating of IBC's even in Hazardous areas**

We are pleased to announce the launch of our new hazardous area certified IBC / 210L heating jackets. These ATEX Zone 1 and 2 rated jackets use a completely new and proprietary design. Constructed with patented technology using carbon rich semi-conducting heating membranes, safe operating conditions are maintained even in the presence of potentially explosive gases. IBC temperatures up to 55C can be

achieved using a 220/240v supply. The 210L drum size jacket is ideal for gentle warming and to avoid winter freezing, for higher temperatures ask for more details on Thermosafe and Faratherm Drum Heaters. No transformers are required as the jackets can operate from any 110v/240v ac supply.

**LMK Range of Heating Jackets**

- **A vast range of sizes and powers held in stock**
- **Custom sizes to order**
- **Adjustable thermostats, from anti-freeze to 180°C**



LMK Heating jackets are suitable for a wide variety of plastic, fibre and metal containers – drums, tubs, buckets, kegs and IBC's. Standard sizes readily available. Bespoke service available for custom sizes – just send us photos and dimensions, with temperature requirements.

Power ratings and thermostats can be matched to application need, from winter warming of liquids through to melting of waxes and gels. Options for increased chemical resistance also available.