

DRUM HEATERS

| REF. | CIRCUMFERENCE / HEIGHT | NOMINAL CAPACITY (Litres/Imp/US Gal) | NOMINAL POWER (240v) |
|------------------------|--|--|--|
| HJA | 870-1020mm/400mm 34¼" - 40" / 15¾" | 25 litres 5 Imperial Gallons 6.5 US Gallons | 200 W |
| HJB | 1100-1250mm/460mm 43½" - 49¼" / 18" | 50 litres 10 Imperial Gallons 13 US Gallons | 250 W |
| HJC | 1500-1650mm/370mm 59" - 65" / 14½" | 100 litres 20 Imperial Gallons 26 US Gallons | 400 W |
| HJD | 1800-1950mm/440mm 71" - 76¾" / 17¼" | 205 / 210 litres 45 Imperial Gallons 55 US Gallons | 450 W |
| HJHP2D (High Power) | 1800-1950mm/850mm 71" - 76¾" / 33½" | 205 / 210 litres 45 Imperial Gallons 55 US Gallons | 1250 W |
| Thermosafe | 743 dia | 205 / 210 litres | 500 W |
| HJG (Gas Bottle) | 685-830mm/1050mm 30" - 32½" / 41" (Other sizes, and/or embedded over-temp sensor to order) | 230mm diameter (K) gas cylinder 9" diameter | 450 W |
| HJIBC1 HJIBC2 | 4060-4310mm/950mm 160" - 169½" / 37½" | 1000 litres 200 Imperial Gallons 260 US Gallons | 1 x 1300 W (IBC1) 2 x 1100 W (IBC2) |
| IBC insulated lid | | | |



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|--------------------------|---|-------------------|---|
| Thermosafe | IECEX Certificate of Conformance IECEX BAS05-0081X | 210 litres | Ex II 2GD Eex e II 170°C(T3) T170°C 2.4kW |
| Power Controller (BF400) | (SAFE AREA USE ONLY) | 25A fitted m.c.b. | 0-100% adjustment |
| "Top-Hat" | | 210 litres | |
| Faratherm | IECEX SIR 07.001x | | 500 W |

Size A - D jackets are supplied with a 5 metre supply cable (2 x 1mm², PVC insulated, sheathed, galvanised steel wire braided) and an integral 0-90°C adjustable capillary thermostat. IBC1 has -5/40°C stat as standard.

IBC2 jackets are supplied with two heating circuits, enabling the top and bottom halves of the jackets to be separately controlled, and thus two supply cables, each 5m long.

-5-40°C thermostats and 110v versions are also available at no additional charge.

Special or non-standard sizes available, please call with your container dimensions for a quotation.

Our standard terms and conditions apply – available on request.

HEATING JACKETS**IBC Dual Circuit Heating Jacket**

Flexible heating jackets and blankets are suitable for a wide variety of plastic, fibre and metal containers - drums, tubs, buckets, kegs, carboys, IBC's, totes, gas bottles etc.

The standard style incorporates a scuff and water resistant polyurethane coated nylon outer surface fitted with adjustable retaining straps and quick release polyethylene clips. A high thermal efficiency layer of insulation is held in place between the outer cover and the inner element carrier. The silicon insulated heating element is woven back and forth along the length of the carrier. The braided supply cable is retained by a polycarbonate gland on the thermostat housing box.

The jackets can be supplied in sizes and power ratings to suit particular applications, but the standard units cover most requirements. High quality insulation and direct contact with the drum ensures users of much higher efficiency than can be obtained from traditional band heaters. Heat losses to the surrounding air are much less than with exposed silicon band heaters so the outer surface is cooler and electricity use is much reduced.

Either -5 to 40°C or 0 to 90°C thermostats may be specified, as can operation from 240v ac or 110v AC power supply.

**Flexible Heating Jacket****Jacket construction:**

Various grades of material, dependent on the customer ratings are required. The standard format for most general industrial applications is a "sandwich" construction:

- Heavy Duty Coated Nylon base fabric.
- Hydrolysis resistant, polyurethane coated polyamide substrate with fluorocarbon finish.
- Needled polyester insulation.
- Silicon insulated spiral wound resistance element.

**Gas bottle jacket****Power supply and control:**

- Adjustable or fixed temperature thermostat.
- Electrical insulation double insulated for safety.
- Standard 240v ac or optional 110v AC.
- Power cable 5 metres, 2 x 1mm², PVC insulated, sheathed, galvanized steel wire braided.

High Power & Custom Heating Jackets:

- Designed for temperatures up to 180°C(350°F).
- Very high container insulation properties.
- Faster heating rates than our standard jackets.
- Custom sizes for many process and reactor vessels.
- Contact us for full technical details and pricing.

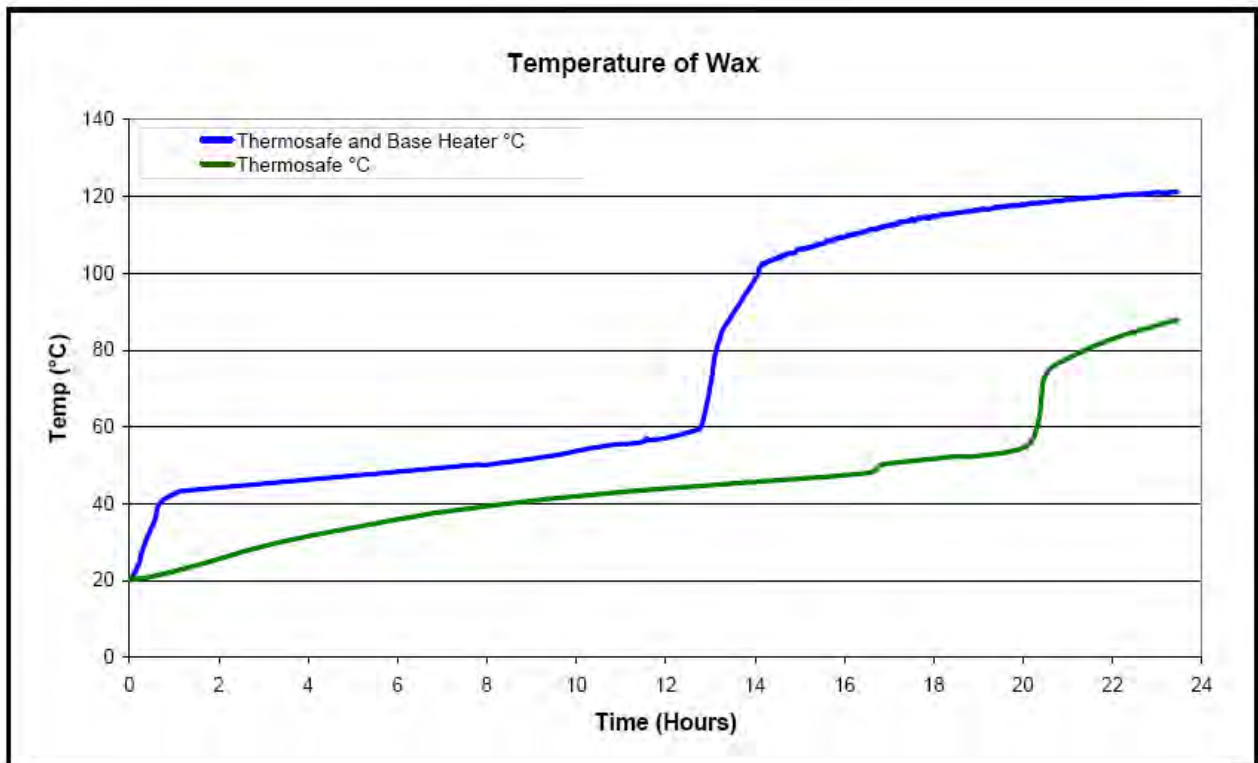
**Custom drum lid****DigiHeat temperature indicating Base Heater**

The THERMOSAFE Induction Drum Heater is a highly energy efficient unit that is completely sealed to IP66, so that it can be hosed down even in use. This has resulted in many very successful installations even when its hazardous area certification is not required. Where total melting times are critical, or a rapid reduction in viscosity is required, performance in these areas can be further enhanced by adding our brand new DigiHeat base heater. Top plate temperature is 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.



INDUCTION BASE HEATER

- Designed to be used on its own or, for optimum heating, in conjunction with a Thermosafe Induction Heater
- Provides targeted heat to the base of a drum.
- The addition of an Induction Base Heater when using a Thermosafe to heat up a poor heat absorbing wax significantly reduces heating time. A time reduction of 39% for the complete drum to reach 80°C has been shown.



Temperature of wax measured at coolest, hardest to heat point (base of drum in centre)

Thermosafe[®] Rigid Top Hat Accessory

Minimises heat loss and increases efficiency.

***Can be used with Thermosafe and Faratherm,
even in hazardous areas.***

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

The Thermosafe[®] Top Hat is manufactured from a glass reinforced resin with handles fitted on either side to allow easy fitting and removal. The Thermosafe[®] Top Hat can be used with the Thermosafe[®] types A/B and the Faratherm. The Top Hat may be placed directly over the Faratherm when heating smaller drums.

Typically drum wall temperatures are increased by up to 40C with the addition of a Top Hat. This may affect the hazardous area rating of the heating equipment. Contact manufacturer for more information.



Product Specification

Overall height: 650mm
Internal diameter: 620mm (tapered)
Contact manufacturer to check compatibility with your drums
Weight: 8kg
Ventilation hole fitted in top of product

Hazardous Area Certification:

See individual heater certification for more information

Flexible Top Hat

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

