

Technical Project Note

TPN11.01/03

LMK custom-make Heating Jackets to your specifications

LMK Thermosafe Ltd manufacture a wide range of drum and container heating products used in process industries world-wide, including flexible heating jackets in a variety of sizes, materials, power levels and voltages.



Custom "Hi-Heat" LMK Flexible Heating Jacket on site at Evotec OAI

Drug discovery services company Evotec OAI work alongside some of the world's major corporations in the pharmaceutical and biotechnological industries. The firm approached LMK needing a chemically resistant heating solution for a pilot development project, producing pharmaceutical intermediates and APIs (active pharmaceutical ingredients). A stainless steel vessel needed to be heated up to 70°C. LMK were able to implement their requirements and provide a custom designed heating jacket meeting all specifications within the allotted time-frame.

LMK's flexible heating jackets are so versatile that they can be specifically tailored to fit a multitude of different containers suitable for virtually any size and specifications. This bespoke service offers ideal solutions for customers requiring non-standard containers to be heated as rapidly as possible and efficiently insulated.



Outer surfaces of each jacket utilize tough, water resistant nylon materials, inner layers are manufactured using unique coated glass cloths for protection from chemicals and long term temperature durability. All heating jackets utilize high efficiency insulation to reduce heat-loss to a minimum, so LMK can also provide unheated insulated covers to fit containers where electrical power is not available.

However big or small the application, LMK's development team based at their UK headquarters can adapt tried and tested designs to produce the best results. A wide Standard range is available from stock to fit 25, 50, 100 or 205 litre drums as well as 1000 litre IBC containers and totes. Heating Jackets are also available for special gas cylinder applications.

For heating solutions in Zone 1 and 2 hazardous areas or "hose-down" applications requiring IP66 protection, LMK offer the ATEX approved Thermosafe™ Induction Drum Heater.

