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9/10 Moonhall Business Park Haverhill, Suffolk CB9 7AA England

Industrial Gas Cylinder Heating



LMK Thermosafe Ltd. have been manufacturing robust and reliable industrial heaters for safe and hazardous area use for over 30 years.

Our standard product range includes a selection of flexible heating jackets for pressurised gas cylinders. These have been designed with a variety of control options for both safe and hazardous "Ex" areas where there is risk of explosion. We manufacture to CE, ATEX/IECEx, UL and CSA standards in our ISO9001 certified factories in the UK.

As well as standard flexible heating jackets (detailed below) for the popular "K" sized cylinders, we can also design jackets for most cylinder sizes in both safe and hazardous areas, right up to several thousand litre capacity horizontal cylinders. These can be fitted with a variety of power and temperature control options, including our latest ATEX/IECEx patented "ProxATEX" digital controller, offering precise temperature measurement, multiple heating program adjustment options and user access control using secure NFC cards.

Product Specification for stock "K" size cylinder flexible heating jackets

Adjustable length: 680-830mm | Overall Height: 1050mm | Power supply: 110v or 230v (50/60Hz ac)

- HHG (safe area): 450W with 0-90°C adjustable thermostat (-5 to 40°C range & digital options also available)
- IHF/G/T4 (hazardous area): 100W, self-limiting to 30°C above ambient 💿 II 2 G D Ex e IIC T4 Gb Ex tb IIIC T135°C Db
- IHF-R/G/T4 (hazardous area): 100W, 0-50°C temperature regulator 🖾 II 2 G D Ex e IIC T4 Gb Ex tb IIIC T135°C Db
- IHF-R/G/T3 (hazardous area): 285W, 0-85°C temperature regulator 😉 II 2 G D Ex e IIC T3 Gb Ex tb IIIC T200°C Db













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Example of large "skid based" gas cylinder requiring surface area heating to stabilise flow rates when used on site.





Easily fitted, with adjustable thermostat (as shown) or fixed internal thermostat.

Insulated end caps available as an option for severe ambient temperatures.

Heavy duty pvc covers also available for outdoor use.





Outdoor Installation example in North America with C1Z1 heating jackets and controllers

Cylinder itself is protected from weather by a canopy, giving sufficient protection to jackets as well. Outdoor site is rated as potentially explosive due to other processes.









