

IBC and Tote Heating Performance

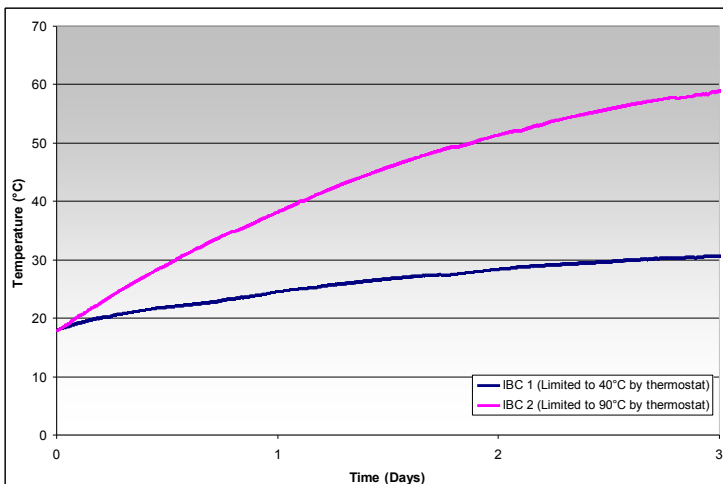
LMK Thermosafe, world leaders in drum and container heating, manufacture a variety of jackets suitable for heating IBCs and totes.

Selection of the correct equipment is dependant on many factors including material type, required operating temperature and desired heating rates. LMK Thermosafe are pleased to assist customers in the selection of the correct equipment for their particular application.

The single heating circuit of the IBC1 is ideal for winter anti-freeze applications while the IBC2 with its dual heating circuits enables heating of fluids to higher temperatures. In most applications, the IBC1 will heat a full container at an average of around 1°C per hour, and an IBC2 will heat at between 1°C and 3°C per hour with an insulated lid in place.

Heater performance

The graph below shows a comparison of LMK Heating jackets when heating 1000L of water. An insulated lid was fitted to the IBCs during testing. Almost all industrial liquids heat significantly quicker than water (see material comparison below).



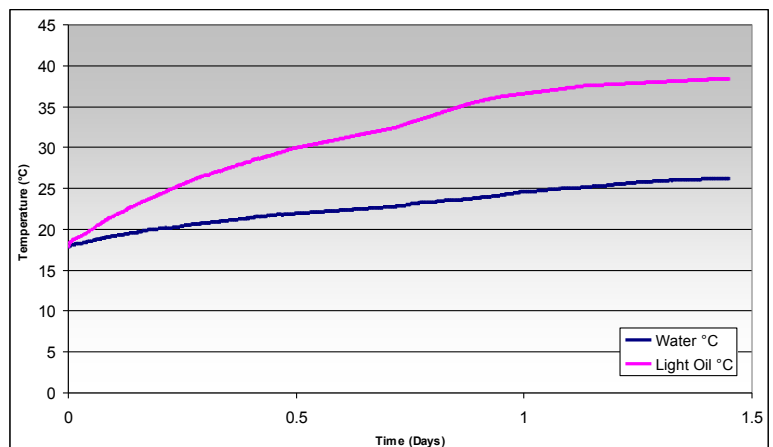
IBC1 and IBC2 Heating Jackets with Insulated Lids

Temperatures measured in centre of IBC 550mm from bottom of water.
Maximum thermostat setting for IBC1 is 40 °C, and for IBC2 it is 90 °C

Material Comparison

Heating rates for each jacket are dependant on the properties of the material being heated. This graph shows the performance of an IBC1 (limited to 40°C by thermostat) when heating a light oil and water.

Also available from LMK Thermosafe is the IntelliHeat Hazardous Area Heating Jacket. Suitable for heating IBCs in potentially explosive atmospheres. Contact LMK Thermosafe for more information.



Temperatures measured in centre of IBC 550mm from bottom of water / light oil.

Jacket limited to 40°C by thermostat