



Introduction

Mica heaters form the core of most general machine heating applications as they are inexpensive and infinitely variable in shape and concept.

LPC engineers pride themselves on their ability to provide solutions for the most complex shaped dies and heating applications.

Ordering Procedure

Specify: Type, Width, Length, Diameter (if applicable), Watts, Volts, Holes & Cut-outs, Termination, Clamping & Mounting. Ideally please provide a sketch or photo with your enquiry.

Construction

Variations manufactured by LPC include round, half round, segment, flat, angle, box shape, conical, 'U' shape, disc and ring shape, in sizes from 20mm diameter and widths up to 760mm, incorporating a variety of holes, cut-outs, fittings and terminations to accommodate your applications and control systems.

Clamping can be either roller bolt, edge bracket or 'quick release' shackle as required. Mica heaters, especially flat, angle and box shapes, should be clamped using backing plates of at least 3mm thickness to avoid premature failure.

Mica heaters are best used in applications where there is no possibility of spillage as they are not of sealed construction.

Mica heaters are constructed with four plates of muscovite mica wound and encased in coated mild or stainless steel for optimum flexibility, heat transfer and strength. Element resistors are wound from top grade 80/20 nickel chrome and are carefully spaced to provide even heat. The heaters are precision rolled and formed to fit your application.

Product Details

Manufacturing Tolerances:

Resistance:	±7%
Wattage:	±7%
Voltage:	24V to 580V max
Inside Diameter:	±0.025" (0.635mm)
Widths:	±0.025" (0.635mm)

Loadings:

Bands/Plates:	24w/sq in 450°C
Nozzles:	35w/sq in 500°C

Sizes:

Thickness:	Plate heaters 3mm min Round heaters 3mm min
Diameter (ID):	20mm min 356mm max (in one piece, larger in segments)
Width:	20mm min 760mm max

Material:

Case:	Coated Mild/Stainless Steel
Elements:	80/20 Nichrome



**Delivery on urgent Mica heaters can
be arranged within 24 hours.
Heard it before?
Place an order and we'll prove it!**