



MINERAL
INNOVATIVE
TECHNOLOGIES

PRODUCTIVITY IN MINERALS

LABORATORY MUFFLE FURNACE - L M RANGE

MIT-GROUP
MINERAL INNOVATIVE TECHNOLOGIES GROUP



LM RANGE

The Ultra-Furn Laboratory Muffle Furnace range is designed with the exacting requirements of the laboratory environment in mind. State of the art control systems ensure consistent and reliable results. Our tried and tested heating element and refractory designs offer prolonged service life, the LM range is attractively presented in a lightweight air-cooled cabinet finished in a durable epoxy powder coat which blends into any laboratory environment.

OPERATING TEMPERATURE

Maximum Temperature	1200°C
Maximum Continuous Temperature	1150°C

GENERAL DESCRIPTION

The chamber is manufactured from a 98% Alumina material and is supported by lightweight low thermal mass ceramic brick. The bricks are machined to carry spiral elements of Kanthal A1 material.

The chamber is equipped with a chimney for the removal of any undesirable gaseous contaminants. For ashing applications, preheated air can be passed through the chamber and extracted through a large stainless steel chimney. (Optional extra)

The removable "hot box" is mounted in a lightweight steel cabinet designed to use convected air to provide a cool outer skin. In the interests of the operator, the door moves on a parallel link system and an internal spring counter balance system ensures ease of movement.

The entire cabinet is subjected to a seven-stage zinc phosphate anti-corrosion treatment and then a durable epoxy powder coat is applied.

INSTRUMENTATION

Standard instrumentation consists of a digital set, digital indicate, dual display P.I.D. temperature controller with power limiting facility and the capacity to auto tune P.I.D values to the characteristics of your process. This in turn signals a solid state, zero voltage-switching relay, causing minimal interference with other electronic equipment.

Platinum rhodium thermocouples.

A completely independent over temperature circuit protects the unit from over firing. The unit is supplied in manual reset, which allows the unit to be operated unattended.

A door switch isolates the elements in the interests of operator safety.

Various optional extras are available on request.





CONTACT US

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