



MINERAL  
INNOVATIVE  
TECHNOLOGIES

PRODUCTIVITY IN MINERALS

# HIGH TEMPERATURE E TEMP RANGE FURNACE

**MIT-GROUP**

MINERAL INNOVATIVE TECHNOLOGIES GROUP



# HIGH TEMPERATURE E TEMP RANGE FURNACE SPECIFICATIONS

The E TEMP Range of furnaces has been designed without compromising any of the essential features associated with reliability and prolonged service life. The ruggedly constructed steel frame will endure the trials of a workshop environment, yet is equally suited to a laboratory bench top.

## E TEMP FURNACE MODELS

### E TEMP 14

- Max Temperature: 1400°C
- Max Continuous Temperature: 1350°C

### E TEMP 15

- Max Temperature: 1500°C
- Max Continuous Temperature: 1450°C

## GENERAL DESCRIPTION

The hot face chamber is manufactured from a 98% Alumina material and is backed up by lightweight low thermal mass ceramic fibre board. Silicon carbide elements are mounted in the roof cavity. The chamber is equipped with a chimney for the removal of any undesirable gaseous / volatile contaminants.

For special or ashing applications, preheated air can be passed through the chamber and extracted through a large stainless steel chimney. (Optional extra) For corrosive chamber applications, a laminate hot face liner is available. (Optional extra)

In the interests of operator safety the door moves on a parallel link system, keeping the hot face away from the operator. The door handle doubles as the door locking mechanism. 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. controller with power limiting facility and the capacity to auto tune P.I.D. values to the characteristics of your process. This in turn operates a solid state, zero voltage-switching relays, causing minimal interference with other electronic equipment.

Type (R) platinum rhodium thermocouple.

A door switch isolates the elements in the interests of operator safety. \*Various optional extras are available on request.



## CONTACT US

Mineral Innovative Technologies (PTY) Ltd

**Tel:** +27 861 500 108

**Email:** [info@m-i-t.co.za](mailto:info@m-i-t.co.za)

**Web:** [www.m-i-t.co.za](http://www.m-i-t.co.za)  
[www.mit-group.co.za](http://www.mit-group.co.za)

