Data Sheet
Model: TMH16(Z3)/50/610

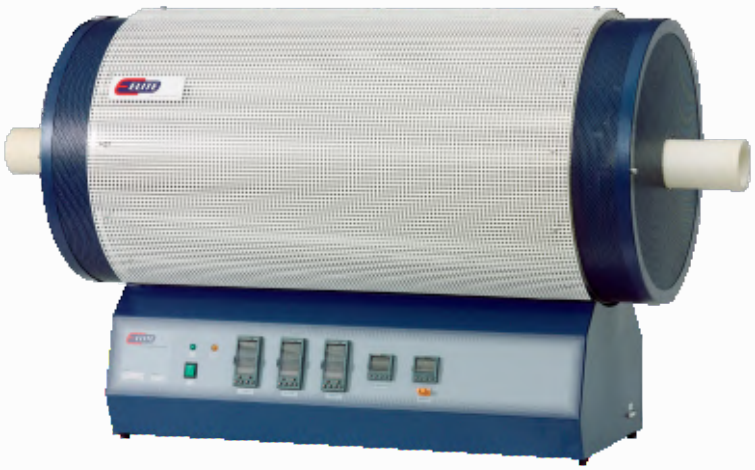
1600 °C Maximum Temperature, Three Zone Horizontal Tube Furnace

INTRODUCTION

The TMH16(Z3) furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TMH16(Z3)/50 Three Zone Tube furnace has an internal tube diameter of 50 mm. TMH16(Z3)/50 range offers a choice of two heated zone lengths of 450mm & 610mm.

TMH16(Z3)/50/610 comes with a heated zone length of 610 mm.



TMH16(Z3)/50/610

SPECIFICATIONS

Maximum Temperature: 1600 °C

Maximum Continuous Temperature: 1550 °C

- The TMH(Z3) furnaces are designed to give a longer uniform centre zone temperature than that of the single zone tube furnace models.
- All TMH(Z3) models are controlled by retransmission of set point from the centre zone controller to the end zone controllers.
- This system provides a longer uniform zone temperature than that achieved by the use of single zone furnace of the same length.
- Protective outer mesh covers for improved operator safety.
- Top grade silicon carbide rods in all 3 heated zones.
- Energy efficient, high quality, low thermal mass insulation.
- A work tube is not supplied as an integral part of the furnace and therefore needs to be ordered with the furnace as it is an essential accessory.
- High end Microprocessor PID controller.
- Temperature Sensor: “R” type Thermocouple.
- Horizontal models are supplied as standard with controls in the base.

External Dimensions (mm):	H	x	W	x	D	**Net Wt.**
(Nominal) TMH16(Z3)/50/610	825	x	1150	x	562	70 kg

- Supply: 400V– 3 Phase
- Energy rating: 6.0 kW (Average)
  21.0 kW (Peak)

OPTIONS

- Work tubes of various materials, lengths and diameters for use in the furnace.
- The work tubes are available for containment of atmosphere or protection against process contaminants.
- A variety of triple flange gas tight end seals for work tubes to allow processing under Vacuum or gas atmospheres.
- Over Temperature protection controller.
- Multi segment, multi program storage controllers.

Vertical versions are available at extra cost, which will have separate temperature console

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