

Data Sheet

Model: TMV16(Z3)/50/450

1600 °C Maximum Temperature,
Three Zone Vertical Tube Furnace



INTRODUCTION

The TMV16 furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TMV16(Z3)/50 Three Zone Tube furnace has an internal tube diameter of 50 mm. TMV16(Z3)/50/450 comes with a heated zone length of 450 mm.

SPECIFICATIONS

Maximum Temperature: 1600 °C

Maximum Continuous Temperature: 1600 °C

- | The TMV(Z3) furnaces are designed to give a longer uniform centre zone temperature than that of the single zone tube furnace models.
- | All TMV(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.
- | Temperature Sensor: "R" Type thermocouple.
- | 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.
- | Vertical models are supplied as separate control console remote from furnace, separated by 2 meters of flexible interconnecting cable.



TMV16(Z3)/50/450

- | **External Dimensions (mm):** H x W x D **Net Wt.**
(Nominal) TMV16(Z3)/50/450
- | Supply: 400V– 3 Phase
- | Energy rating: 4.0 kW (Average)
9.3 kW (Peak)

OPTIONAL FEATURES

- | 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.

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