

Data Sheet

Model: TMV15(Z3)/90/610

1500 °C Maximum Temperature,
Three Zone Vertical Tube Furnace



INTRODUCTION

The TMV15 furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TMV15(Z3)/90 Three Zone Tube furnace has an outer tube diameter of 90 mm. TMV15(Z3)/90/610 comes with a heated zone length of 610 mm.

SPECIFICATIONS

Maximum Temperature: 1500 °C

Maximum Continuous Temperature: 1500 °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 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: Thermocouple, type "R".

| 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.

| Horizontal models are supplied as standard with controls in the base.



TMV15(Z3)/90/610

| **External Dimensions (mm):** H x W x D **Net Wt.**
(Nominal) TMV15(Z3)/90/610

| Supply: 400V– 3 Phase

| Energy rating: 7.5 kW (Average)
23.0 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 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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