

Data Sheet

Model: TMV17(Z3)/50/610

1700°C Maximum Temperature,
Three Zone Vertical Tube Furnace



INTRODUCTION

The TMV17 furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TMV17(Z3)/50 Three Zone Tube furnace has an internal tube diameter of 50 mm. TMV17(Z3)/50/610 comes with a heated zone length of 610 mm.

SPECIFICATIONS

Maximum Temperature: 1700°C

Maximum Continuous Temperature: 1650°C

| The TMV(Z3) furnaces are designed to give a longer uniform centre zone temperature than that of the single zone tube furnace models of the same length

| All TMV(Z3) models are controlled by retransmission of set point from the centre zone controller to the end zone controllers

| Molybdenum Disilicide single loop elements mounted along the front and rear walls of the furnace chamber

| Energy efficient, high quality, low thermal mass insulation

| Temperature Sensor: 'B' 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

| Over temperature protection is included in the standard specification

| Supply: 400V – 3+N Phase

| Energy rating: 8.0 kW



TMV17(Z3)/50/610

| **External Dimensions Across flats (Hexagon) (mm) :**
(Nominal) TMV18(Z3)/50/610 900 x 800

PHASE CONTROL

Phase angle fired thyristor units operating in conjunction with low voltage secondary isolating transformers providing the correct parameters for the heating elements.

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 gas atmospheres

| Multi segment, multi program storage controller

| A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

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