

Data Sheet

Model: TMV18(Z3)/50/610

1800°C Maximum Temperature,
Three Zone Vertical Tube Furnace



INTRODUCTION

The TMV18 furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TMV18(Z3)/50 Three Zone Tube furnace has an internal tube diameter of 50 mm. TMV18(Z3)/50/610 comes with a heated zone length of 610 mm.

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°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 tungsten Disilicide heating elements are mounted in the sides of the chamber radiating heat directly into the furnace

| 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 has to be purchased separately as it is an essential accessory

| Over temperature protection is included in the standard specification

| High end Microprocessor PID controller

| Supply: 400V – 3+N Phase

| Energy rating: 8.5 kW



TMV18(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 controllers

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

SYLAB SCIENTIFIC PVT. LTD.

Formerly SYLAB PVT. LTD.

Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,
Phone: +91 40 67216376 E-mail: sales@sylabscientific.com Website: www.sylabscientific.com