

Data Sheet

Model: TSH17/75/450

1700°C Maximum Temperature,
Single Zone Horizontal Tube Furnace



INTRODUCTION

The TSH17 furnace is a floor mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH17/75 Single Zone Tube furnace can accept a work tube with internal tube diameter of 75 mm. TSH17/75 range offers a choice of three heated zone lengths of 300mm, 450mm and 600mm.

TSH17/75/450 comes with a heated zone length of 450 mm.

SPECIFICATIONS

Maximum Temperature: 1700°C

Maximum Continuous Temperature: 1650°C

| These models are heated on both sides of the chamber by molybdenum Disilicide elements

| This furnace design requires the use of a separate work tube of a grade suitable for the maximum temperature rating of 1700°C

| 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

| Temperature Sensor: 'B' type Thermocouple

| Energy efficient, high quality, low thermal mass insulation

| High end Microprocessor PID controller

| Over temperature protection controller is fitted

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



TSH17/75/450

External Dimensions (mm):	H	x	W	x	D	Net Wt.
(Nominal) TSH17/75/450	1500	x	775	x	650	265 kg

| Supply: 230V– 1 Phase – 50/60Hz

| Energy rating: 9.0 kW

PHASE CONTROL

Phase angle fired thyristor unit operating in conjunction with a low voltage secondary isolating transformer providing the correct operating 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

| Thermal Radiation Plugs

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