

Data Sheet

Model: TSH17/75/600

1700 °C Maximum Temperature,
Single Zone Horizontal Tube Furnace



TSH17/75/600

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 300 mm, 450 mm & 600mm.

TSH17/75/600 comes with a heated zone length of 600 mm.

SPECIFICATIONS

Maximum Temperature: 1700°C

Maximum Continuous Temperature: 1700°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.

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

| **External Dimensions (mm):** H x W x D **Net Wt.**
(Nominal) TSH17/75/600 1500 x 925 x 650

| Supply: 400V– 3 Phase – 50/60Hz

| Energy rating: 12.0 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.

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 gas atmospheres.

| Multi segment, multi program storage controllers.

| Thermal Radiation Plugs.

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