

Data Sheet

Model: TSH15/25/450

1500 °C Maximum Temperature,
Single Zone Horizontal Tube Furnace

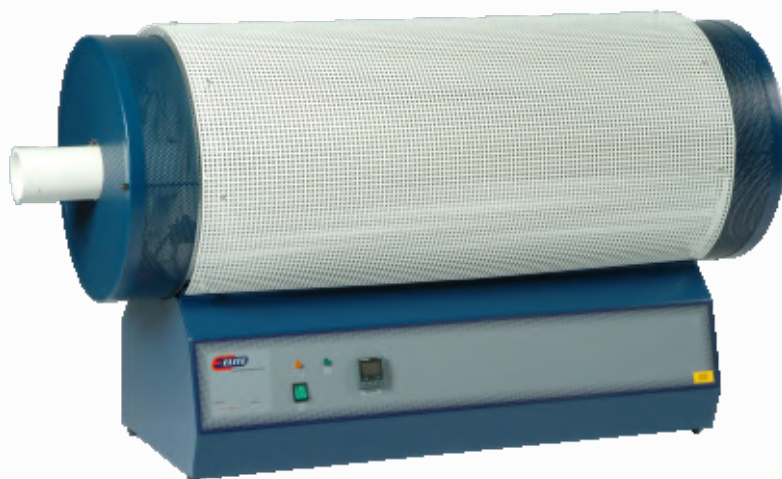


INTRODUCTION

The TSH15 furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH15/25 Single Zone Tube furnace can accept a work tube with internal tube diameter of 25 mm. TSH15/25 range offers a choice of three heated zone lengths of 180 mm, 450 mm & 610 mm.

TSH15/25/450 comes with a heated zone length of 450 mm.



TSH15/25/450

SPECIFICATIONS

Maximum Temperature: 1500 °C

Maximum Continuous Temperature: 1500 °C

- | These models are heated by axially mounted silicon carbide elements around the work tube for fast heat up and excellent temperature uniformity.
- | This furnace design requires the use of a separate work tube of a grade suitable for the maximum temperature rating of 1500 °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: 'R' type Thermocouple.
- | Energy efficient, high quality, low thermal mass insulation.
- | High end Microprocessor PID controller.
- | Horizontal models are supplied as standard with controls in the base.

External Dimensions (mm): H x W x D **Net Wt.**
(Nominal) TSH15/25/450 715 x 1000 x 460 70 kg

- | Supply: 230V– 1 Phase – 50/60Hz
- | Energy rating: 4.5 kW (Average)
5.8 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 triple flange gas tight end seals for work tubes to allow processing under vacuum or gas atmospheres.
- | Over Temperature protection controller.
- | Multi segment, multi program storage controllers.
- | Thermal Radiation Plugs.

Vertical versions are available which have a separate console

Elite Thermal Systems Limited

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK
Tel: +44 (0)1858 469834 | E-mail: contact@elitefurnaces.com | Website: www.elitefurnaces.com