

Data Sheet

Model: TSH16/25/610

1600 °C Maximum Temperature,
Single Zone Horizontal Tube Furnace

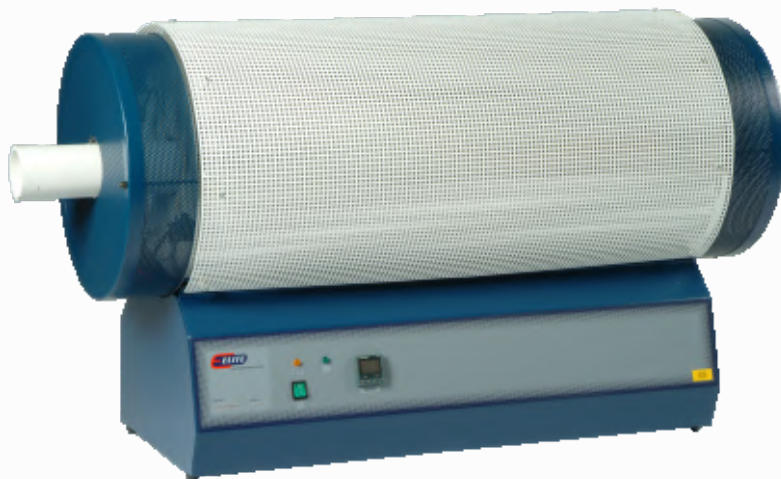


INTRODUCTION

The TSH16 furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH16/25 Single Zone Tube furnace can accept a work tube with internal tube diameter of 25 mm. TSH16/25 range offers a choice of three heated zone lengths of 180 mm, 450 mm & 610 mm.

TSH16/25/610 comes with a heated zone length of 610 mm.



TSH16/25/610

SPECIFICATIONS

Maximum Temperature: 1600 °C

Maximum Continuous Temperature: 1600 °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 1600 °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) TSH16/25/610 | 825 | x | 1150 | x | 562 | 75 kg |
- | Supply: 400V– 3 Phase – 50/60Hz
 - | Energy rating: 7.0 kW (Average)
29.0 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.
 - | Multi segment, multi program storage controllers.
 - | Over temperature protection controller.
 - | 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