

Data Sheet

Model: TSH18/40/300

1800 °C Maximum Temperature,
Single Zone Horizontal Tube Furnace



TSH18/40/300

INTRODUCTION

The TSH18 furnace is a floor mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH18 is a standalone unit for the processing of small samples up to 1800 °C, only available in horizontal format with a 40mm O/D maximum work tube.

SPECIFICATIONS

Maximum Temperature: 1800 °C

Maximum Continuous Temperature: 1800 °C

- | These models are heated on both sides of the chamber by molybdenum Tungsten Disilicide elements.
- | This furnace design requires the use of a separate work tube of a grade suitable for the maximum temperature rating of 1800 °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) TSH18/40/300

- | Supply:
- | Energy rating:

PHASE CONTROL

Phase angle fired thyristor units operating in conjunction with low voltage secondary isolating transformers provide the correct parameters for the heating elements.

OPTIONAL FEATURES

- | separate work tubes are available for containment of atmosphere or protection against process contaminants.
- | Spare 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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