Data Sheet
Model: TSH18/75/450

1800°C Maximum Temperature, Single Zone Horizontal Tube Furnace

INTRODUCTION

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

The TSH18/75 Single Zone Tube furnace can accept a work tube with internal tube diameter of 75 mm. TSH18/75 range offers a choice of three heated zone lengths of 300 mm, 450 mm and 600mm.

TSH18/75/450 comes with a heated zone length of 450 mm.

SPECIFICATIONS

Maximum Temperature: 1800°C

Maximum Continuous Temperature: 1750°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 is fitted
- Horizontal models are supplied as standard with controls in the base

TSH18/75/450

	External Dimensions (mm): H x W x D	Net Wt.
(Nominal) TSH18/75/450	1500 x 825 x 650	265 kg

- **Power Supply:** 230V– 1 Phase – 50/60Hz
- **Energy rating:** 9.0 kW

PHASE CONTROL

Phase angle fired thyristor units operating in conjunction with low voltage secondary isolating transformers providing the correct 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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