Data Sheet
Model: TSH18/40/300

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 TSH18/40 Single Zone Tube furnace can accept a work tube with internal tube diameter of 40 mm.

TSH18/40/300 comes with a heated zone length of 300 mm.

TSH18/40/300

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.
- Horizontal models are supplied as standard with controls in the base.
- **Power Supply:** 230V– 1 Phase
- **Energy rating:** 6.0 kW (Nominal)

PHASE CONTROL

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

OPTIONS

- 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.

SYLAB SCIENTIFIC PVT. LTD.
Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,
Phone: +91 40 67216376 E-mail: sylab@sylabscientific.com Website: www.sylabscientific.com