

Data Sheet

Model: TSU16/50/450

1600°C Maximum Temperature,
Single Zone Universal Tube Furnace



INTRODUCTION

The TSU16 furnace is a versatile Universal Tube Furnace that can be configured in both horizontal and vertical positions with a separate control console, ideal for most general laboratory thermal processing applications.

The TSU16/50 Single Zone Tube furnace can accept a work tube with internal tube diameter of 50 mm. TSU16/50 range offers a choice of three heated zone lengths of 180mm, 450 mm & 610 mm.

TSU16/50/450 comes with a heated zone length of 450 mm.

SPECIFICATIONS

Maximum Temperature: 1600°C

Maximum Continuous Temperature: 1550°C

- | These models are heated by silicon carbide rods arranged equally around and parallel with the work tube for fast heat up and excellent temperature uniformity
- | A work tube is not supplied as an integral part of the furnace and therefore needs to be purchased with the order as it is an essential accessory
- | Protective outer mesh covers for improved operator safety
- | Energy efficient, high quality, low thermal mass insulation
- | A modified standard and specially designed tube furnace mounted on a pivoting mechanism allowing positioning of the furnace at any angle from horizontal to vertical with a solid stop mechanism
- | Furnace supplied with a special stand for use in both horizontal and vertical mode
- | Temperature Sensor: 'R' Type thermocouple
- | High end Microprocessor PID controller
- | **Power Supply:** 400V, 3 Phase, 50/60Hz
- | **Energy rating:** 5 kW. (Average)
33.0 kW. (Peak)



TSU16/50/450

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 vacuum or gas atmospheres
- | Multi segment, multi program storage controllers
- | Over temperature protection controller
- | Thermal Radiation Plugs
- | A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

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