

# Data Sheet

## Model: TSU12/38/500

1200°C Maximum Temperature,  
Single Zone Universal Tube Furnace



### INTRODUCTION

The TSU12 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 TSU12/38 Single Zone Tube furnace has an internal tube diameter of 38 mm. TSU12/38 range offers a choice of two heated zone lengths of 250 mm & 500 mm.

TSU12/38/500 comes with a heated zone length of 500 mm.



TSU12/38/500

### SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

- | The furnace design incorporates an integral elemental tube
- | Protective outer mesh covers for improved operator safety
- | High grade resistance wire wound heating elements
- | Energy efficient, high quality, low thermal mass insulation
- | For aggressive processes, a separate work tube is recommended to minimize the risk of contaminating the elemental work tube
- | 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: 'N' Type thermocouple
- | High end Microprocessor PID controller
- | **Power Supply:** 230V – Single Phase – 50/60Hz
- | **Energy rating:** 1.7 kW

### 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 controller
- | Over temperature protection controller
- | A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

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