

# Data Sheet

## Model: TSV12/100/940

1200 °C Maximum Temperature,  
Single Zone Vertical Tube Furnace



### INTRODUCTION

The TSV12 furnace is a vertical-mounted tube furnace with a separate control console, ideal for most general laboratory thermal processing applications.

The TSV12/100 Single Zone Tube furnace has an internal tube diameter of 100mm.

TSV12/100/940 comes with a heated zone length of 940 mm.

### 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 minimise the risk of contaminating the elemental work tube.
- | A rugged metal sheathed control thermocouple is protected from accidental damage and allows full use of work tube bore.
- | Temperature Sensor: 'N' Type thermocouple.
- | High end Microprocessor PID controller.
- | Vertical models are supplied as separate control console.



### TSV12/100/940

- | **External Dimensions (mm):** H x W x D **Net Wt.**  
(Nominal) TSV12/100/940
- | Supply: 230V– 1 Phase – 50/60Hz
- | Energy rating: 4.3 kW.

### OPTIONAL FEATURES

- | 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.

## Elite Thermal Systems Limited

Elite Court, 6 Stuart Road, Market Harborough, Leicestershire LE16 9PQ, UK  
Tel: +44 (0)1858 469834 | E-mail: [contact@elitefurnaces.com](mailto:contact@elitefurnaces.com) | Website: [www.elitefurnaces.com](http://www.elitefurnaces.com)