Data Sheet
Model: TSH12/38/250

1200 °C Maximum Temperature, Single Zone Horizontal Tube Furnace

INTRODUCTION

The TSH12 furnace is a bench mounted tube furnace ideal for most general laboratory thermal processing applications.

The TSH12/38 Single Zone Tube furnace has an internal tube diameter of 38 mm. TSH12/38 range offers a choice of two heated zone lengths of 250 mm & 500 mm.

TSH12/38/250 comes with a heated zone length of 250 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.
- Horizontal models are supplied as standard with controls in the base.

TSH12/38/250

	External Dimensions (mm): H x W x D	**Net Wt.**
(Nominal) TSH12/38/250	560 x 335 x 315	12 kg

- Supply: 230V– 1 Phase – 50/60Hz
- Energy rating: 1.0 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.

Vertical versions are available which have a separate console

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 | Website: www.elitefurnaces.com