

Data Sheet

Model: TSHH11/90/457

1100 °C Maximum Temperature,
Single Zone Horizontal Split Tube Furnace



INTRODUCTION

The TSHH split tube furnace is designed to meet the needs of 'in-line' thermal processes, and for when rapid cooling is required.

The furnace range offers a choice of three heated zone lengths, 305mm, 457mm, and 610mm respectively.

TSHH11/90/457 comes with a 90mm furnace bore size, 457mm heated zone length.

SPECIFICATIONS

Maximum Temperature: 1100 °C

Maximum Continuous Temperature: 1050 °C

- | This furnace range is bench mounted and can be supplied with controls mounted as an integral part of the furnace body or in a remote console on two meters of interconnecting cables.
- | Heating is by free radiating high-grade resistance wire elements supported on ceramic tubes.
- | Energy efficient, high quality, low thermal mass insulation provides fast heating and cooling.
- | 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.
- | The furnace accepts a range of work tubes up to 90mm outside diameter when used with tube reducer inserts.
- | Temperature Sensor: 'N' Type thermocouple.
- | High end Microprocessor PID controller.
- | Horizontal models are supplied as standard with controls in the base.



TSHH11/90/457

External Dimensions (mm): H x W x D **Net Wt.**
(Nominal) TSHH11/90/457 538 x 557 x 660 46 kg

| Supply: 230V– 1 Phase – 50/60Hz

| Energy rating: 2.8 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 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