

# Data Sheet

## Model: TSHH12/90/610

1200 °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 four heated zone lengths, 305mm, 457mm, 610mm and 940mm respectively.

TSHH12/90/610 comes with a 90mm furnace bore size, 610mm heated zone length.

### SPECIFICATIONS

**Maximum Temperature:** 1200 °C

**Maximum Continuous Temperature:** 1150 °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.



## TSHH12/90/610

**External Dimensions (mm):** H x W x D      **Net Wt.**  
(Nominal) TSHH12/90/610 538 x 710 x 660      72 kg

| Supply: 230V– 1 Phase – 50/60Hz

| Energy rating: 5.0 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 controller.

**Vertical versions are available which have a separate console**

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