

Data Sheet

Model: TSHH12/90/940

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.

TSHH12/90/940 comes with a 90mm furnace bore size, 940mm 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.



TSHH12/90/940

- | **External Dimensions (mm):** H x W x D **Net Wt.**
(Nominal) TSHH12/90/940 538 x 1040 x 660 90 kg
- | Supply: 230V– 1 Phase – 50/60Hz
- | Energy rating: 6.0 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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