

# Data Sheet

## Model: TSVH12/90/940

1200 °C Maximum Temperature,  
Single Zone Vertical Split Tube Furnace



### INTRODUCTION

The TSVH12 is a vertical single zone split tube furnace 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.

TSVH12/90/940 comes with a 90mm furnace bore size, 940mm heated zone length.

### SPECIFICATIONS

**Maximum Temperature:** 1200 °C

**Maximum Continuous Temperature:** 1150 °C

| This TSVH furnace can be supplied with separate control 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.



### TSVH12/90/940

| **External Dimensions (mm):** H x W x D    **Net Wt.**  
(Nominal) TSVH12/90/940    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.

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