

# Data Sheet

## Model: TSHH11/90/610-SY

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



### INTRODUCTION

Sylab Scientific Pvt. Ltd., under technical collaboration with Elite Thermal Systems Ltd, UK, manufactures high quality furnaces in India.

Elite Thermal Systems, based in UK, is a 30-year-old furnace manufacturing company with strong brand recognition across the globe.

Sylab Scientific delivers high-quality solutions by leveraging technical expertise and components sourced from Elite Thermal Systems Ltd, UK.

The TSHH-SY 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 of choice of three heated zone lengths, 305mm, 457mm, and 610mm respectively.

TSHH11/90/610-SY comes with a 90mm furnace bore size, 610mm heated zone length.



### TSHH11/90/610-SY

### 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

| ELITE PID controller offering 8 programs with 8 segments each

| Horizontal models are supplied as standard with controls in the base

| **External Dimensions (mm):** H x W x D **Net Wt.**  
(Nominal) TSHH11/90/610-SY 538 x 710 x 660 72 kg

| **Power Supply:** 230V– 1 Phase – 50/60Hz

| **Energy rating:** 4.2 kW

### OPTIONS

| 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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