

# Data Sheet

## Model: TSVH12/90/940-SY

1200°C Maximum Temperature,  
Single Zone Vertical 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 TSVH12-SY is a vertical single zone 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 four heated zone lengths, 305mm, 457mm, 610mm and 940mm respectively.

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



TSVH12/90/940-SY

### SPECIFICATIONS

**Maximum Temperature:** 1200°C

**Maximum Continuous Temperature:** 1150°C

- | This TSVH-SY 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
- | ELITE PID controller offering 8 programs with 8 segments each
- | **Power Supply:** 230V – 1 Phase – 50/60Hz
- | **Energy rating:** 6.0 kW

**External Dimensions (mm):** H x W x D **Net Wt.**  
(Nominal) TSVH12/90/940-SY 538 x 1040 x 660 90 kg

### 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
- | A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

## SYLAB SCIENTIFIC PVT. LTD.

Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,  
Phone: +91 40 67216376 E-mail: sylab@sylabscientific.com Website: www.sylabscientific.com