Data Sheet
Model: TSV175/50/200

1750°C Maximum Temperature, Single Zone Vertical Tube Furnace

INTRODUCTION

The TSV175 furnace is a vertical tube furnace with a separate control panel for most common laboratory thermal processing applications.

The TSV175/50 Single Zone Tube furnace can accept a work tube with internal tube diameter of 50 mm.

TSV175/50/200 comes with a heated zone length of 200mm.

TSV175/50/200

External Dimensions (mm):	H	x	W	x	D	**Net Wt.**
(Nominal) TSV175/75/350	1525	x	940	x	1000	100 kg

SPECIFICATIONS

Maximum Temperature: 1750°C

Maximum Continuous Temperature: 1700°C

- These models are heated by lanthanum chromite elements suspended parallel to the work tube
- This furnace design requires the use of a separate work tube of a grade suitable for the maximum temperature rating of 1750°C
- 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
- Temperature Sensor: 'B' Type Thermocouple
- Energy efficient, high quality, low thermal mass insulation
- High end Microprocessor PID controller
- Over temperature protection controller
- Supply: 230V – 1 Phase – 50/60Hz
- Energy rating: 8.3 kW

PHASE CONTROL

Phase angle fired thyristor units operating in conjunction with low voltage secondary isolating transformers providing the correct parameters for the heating elements.

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 gas atmospheres
- Multi segment, multi program storage controllers
- Thermal Radiation Plugs
- A wide range of furnace mounting configurations, such as Tripod stands, Wall-Mounted Brackets, L-stands, Custom Adjustable Stands, etc.

SYLAB SCIENTIFIC PVT. LTD.
Formerly SYLAB PVT. LTD.
Ground Floor, B-50, Industrial Estate, Sanath Nagar, Hyderabad-500018. INDIA,
Phone: +91 40 67216376 E-mail: sales@sylabscientific.com Website: www.sylabscientific.com