

# VERTICAL TUBE FURNACE

(+1700°C/+1800°C)

**LABEC Vertical Tube Furnaces** are manufactured in Australia with highest quality components for laboratory, commercial and research purposes. The exterior is manufactured from epoxy coated steel for easy maintenance and excellent durability, whilst the fan cooled double skinned construction keeps the exterior cool at high temperatures. The inner material is fibre board and provides excellent thermal stability.

The furnace features light weight ceramic fibre insulation which enables rapid thermal cycling and heating is by electric elements. The Horizontal tube furnaces are available in single or multiple heating zones with independent zone control available on each zone. Policeman safety controllers with independent thermocouples can be fitted. An extensive range of tube diameters are available, ranging from 40mm to 300mm with varying heated length zones available up to 2000mm length. Custom models are available upon request.

Digital microprocessor based PID temperature controllers control the temperature within the range 300°C to +1700°C or 1800°C the controller can be supplied with RS232/RS485 communication ports which can be connected directly to a data logger or computer to collect information. Software is available for programming and monitoring.



## **OTHER STANDARD FEATURES INCLUDE:**

- RCD/ ELB (earth leakage breaker)
- Over Temperature Thermostat
- Stainless Steel exterior
- Type 20/40 Thermocouple
- Fan Cooled Exterior



Laboratory Equipment Pty Ltd

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## SPECIFICATIONS

# VERTICAL TUBE FURNACE (+1700°C / +1800°C)

Model	VTHTF40/XX	VTHTF50/XX	VTHTF60/XX	VTHTF70/XX	VTHTF80/XX	VTHTF90/XX
Length (mm)	500					
Heated Length (mm)	200					
Int. Diameter (mm)	40	50	60	70	80	90
Temp. Max	1700°C OR 1800°C					
Temp. Setting Accuracy	1°C					
Temp. Fluctuation	+/- 5%					
Temp. Sensor	Type 20/40%					
Heating System	Electric Elements					
Interior Material	Light Weight Ceramic Fibre					
Exterior Material	Epoxy Coated Steel					
Options	Cable entry port, timer, programmable controller, custom diameter tubes, single or multiple heat zones, high temperature models RS232 connection.					
Safety Features	Over Temperature Alarm, temperature protection cut off, earth leakage breaker (ELB).					
Power (W)	4800					
Weight (kg)	86	90	94	98	106	119

XX Specify if 1700 or 1800 i.e VTHTF40/17 or VTHTF40/18

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