COMPACT HORIZONTAL TUBE FURNACE

THERELEK

THERELEK | MODEL HTTF/1700/50ID



TECHNICAL SPECIFICATIONS

Construction	:	Mild steel powder-coated outer casing
Zones	:	2 independent gradient zones
Heated zone length	:	150 mm each
Unheated zone barrier	:	200 mm
Total heated length	:	300 mm
Uniform heated length	:	60 mm for Zone 1 and 60 mm for Zone 2
Maximum temperature	:	1700°C
Continuous operating temperature	:	1600°C
Temperature accuracy	:	±1°C
Heating element	:	MoSi2 U-shaped heating elements
Heating rate	:	5°C/min
Tube	:	High-purity 99.5% Al2O3, ID 50 mm, OD 60 mm, length 1200 mm
Thermocouples	:	2 × Type B
Insulation	:	Vacuum-formed ceramic fibre board
Water-cooled stainless-steel flanges	:	With inlet/outlet ports on both sides
Vacuum station	:	Rotary vacuum pump with SS vacuum bellows, digital display, isolation/throttle valves, digital vacuum gauge and complete accessories
Gas control	:	Mass flow controller for corrosive and non-corrosive gases with cable
Safety	:	Over-temperature protection, over-current protection and thermocouple-break protection
Control panel	:	Below furnace, 2 independent gradient-zone PID microprocessor temperature controllers, safety controller, indicating lamps, ON/OFF switches, thyristor and electrical switchgear
Power rating	:	6 kW
Power supply	:	230 V, 50 Hz, single phase
External dimensions	:	900 mm (W) × 560 mm (D) × 840 mm (H)

HIGH TEMPERATURE PERFORMANCE

RELIABLE & SAFE OPERATION

PRECISE TEMPERATURE CONTROL

IDEAL FOR RESEARCH & INDUSTRIAL APPLICATIONS

Precision | Reliability | Performance

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