

# Multi Zone Laboratory Quartz Tube Furnace Tubular Furnace

Item Number: KT-MTF



## Introduction

KINTEK Multi-Zone Tube Furnace: Precise 1700°C heating with 1-10 zones for advanced material research. Customizable, vacuum-ready, and safety-certified.

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Furnace model	KT-MTF	KT-MTF Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1700°C	
Constant work temperature	1650°C	
Furnace tube material	High grade Quartz/ Al2O3 alumina	
Furnace tube diameter	30 / 40 / 60 / 80 / 100 / 150 / 230 mm (Customizable)	
Heating zone length	300 / 450 / 600 / 800 mm (Customizable)	
Heating zone quantity	1-10 zones	
Vacuum sealing solution	SS 304 flange with O ring	
Rated vacuum pressure	0.001Pa / 10E-5 torr	
Rated positive pressure	0.02Mpa / 150 torr	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil (or SiC/MoSi2 for higher temperatures, consult for details)	
Thermal couple	K / S / B type (selected based on temperature range)	
Temperature control accuracy	±1°C	
Temperature uniformity	±5°C (in constant temperature zone)	
Electric power supply	AC110-220V, 50/60HZ (Customizable)	

Other Al2O3 alumina tube sizes and heating zone lengths can be customized to your specifications.

No.	Description	Quantity
1	Multi-Zone Tube Furnace Main Body	1
2	High-Purity Alumina or Quartz Tube (as per order)	1
3	Vacuum Sealing Flanges with Valves & Gauge Port	2 sets
4	Tube Thermal Blocks/Plugs	2 (or more, depending on zones)
5	Tube Block Hook/Extractor	1

6	Pair of Heat Resistant Gloves	1
7	Operation Manual & Software (if applicable)	1