KINTEK FURNACE

Tube Furnace Catalog

Contact us for more catalogs of High Temperature Furnaces, etc.

KINTEK FURNACE

COMPANY PROFILE

>>> About Us

Kintek Furnace is a technology-driven innovator specializing in precision high-temperature laboratory equipment, including muffle furnaces, tube furnaces, vacuum furnaces, atmosphere-controlled systems, and advanced CVD/PECVD solutions. Designed for materials science, chemical research, and thermal processing applications, our robust, energy-efficient systems prioritize precision, safety, and repeatability in extreme heat environments, empowering researchers and industrial labs to achieve groundbreaking results.

1200°C Split Tube Furnace Laboratory Quartz Tube Furnace With Quartz Tube

Item Number: KT-TF12

Introduction

Discover KINTEK's 1200℃ Split Tube Furnace with quartz tube for precise high-temperature lab applications. Customizable, durable, and efficient. Get yours now!

Learn More

Furnace model	KT-TF12
Max. temperature	1200℃
Constant work temperature	1100℃
Furnace tube material	High purity quartz
Furnace tube diameter	30 / 40 / 60 / 80 / 100 / 120 /150 / 230 mm
Heating zone length	300 / 450 / 600 / 800 mm
Vacuum sealing solution	SS 304 flange with O ring
Rated vacuum pressure	0.001Pa/10E5 torr
Rated positive pressure	0.02Mpa/150 torr
Chamber material	Japan alumina fiber
Heating element	Cr2Al2Mo2 wire coil
Heating rate	0-20℃/min
Temperature sensor	Build in K type thermal couple
Temperature controller	Digital PID controller/Touch screen PID controller
Temperature control accuracy	±1℃
Temperature uniformity	±5℃
Electric power supply	AC110-220V,50/60HZ

Other quartz tube sizes and heating zone lengths can be customized. Inquire about customization options.

No.	Description	Quantity
1	Furnace	1
2	Quartz tube	1
3	Vacuum flange	2
4	Tube thermal block	2
5	Tube thermal block hook	1
6	Heat resistant glove	1

1400°C High Temperature Laboratory Tube Furnace With Quartz And Alumina Tube

Item Number: KT-TF14

Introduction

KINTEK's Tube Furnace with Alumina Tube: Precision high-temperature processing up to 2000°C for labs. Ideal for material synthesis, CVD, and sintering. Customizable options available.

Learn More

Furnace model	KT-TF14	KT-TF14 Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	No	Yes
Power failure restarting	No	Yes
Max. temperature	1400℃	
Constant work temperature	1300℃	
Furnace tube material	High grade Al2O3 alumina	
Furnace tube diameter (mm)	30 / 40 / 60 / 80 / 100 (Other sizes customizable)	
Heating zone length (mm)	300 / 450 / 600 / 800 (Other lengths customizable)	
Heating zone quantity	1-10 zones (Customizable)	
Vacuum sealing solution	SS 304 flange with O ring	
Rated vacuum pressure	0.001Pa / 10^{-5} torr	
Rated positive pressure	0.02MPa / 150 torr	
Chamber material	High-quality Al2O3 alumina fiber (e.g., Japan-sourced)	
Heating element	Cr2Al2Mo2 wire coil (SiC or MoSi2 for higher temperatures by customization)	
Heating rate	0-10℃/min (Adjustable)	
Temperature sensor	S-type thermocouple (Other types for different ranges)	
Temperature control accuracy	±1℃	
Temperature uniformity	±5℃ (in constant temperature zone)	
Electric power supply	AC110-240V, 50/60HZ (selectable)	

Note: KINTEK offers extensive customization. Alumina tube sizes, heating zone lengths, number of zones, max temperature (up to 2000°C), and other specifications can be tailored to your precise requirements.

No.	Description	Quantity
1	Tube Furnace Main Body	1 unit
2	High Purity Alumina Tube	1 piece

Furnace model	KT-TF14	KT-TF14 Pro
3	Vacuum Sealing Flanges with Valves & Gauge Port	2 sets
4	Ceramic Tube Thermal Blocks/Plugs	2 pieces
5	Tube Block Hook/Extractor	1 piece
6	Heat Resistant Gloves	1 pair
7	Operation Manual & Warranty Card	1 set

1700°C High Temperature Laboratory Tube Furnace With Quartz Or Alumina Tube

Item Number: KT-TF17

Introduction

KINTEK's Tube Furnace with Alumina Tube: Precision heating up to 1700°C for material synthesis, CVD, and sintering. Compact, customizable, and vacuum-ready. Explore now!

Learn More

Furnace model	KT-TF17	KT-TF17 Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1700℃	
Constant work temperature	1650℃	
Furnace tube material	High grade Al2O3 alumina	
Furnace tube diameter	30 / 40 / 60 / 80 / 100 mm	
Heating zone length	300 / 450 / 600 / 800 mm	
Heating zone quantity	1-10 zones	
Vacuum sealing solution	SS 304 flange with O ring	
Rated vacuum pressure	0.001Pa/10E-5 torr (corrected from 10E5)	
Rated positive pressure	0.02Mpa/150 torr	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil	
Heating rate	0-10℃/min	
Temperature sensor	B type Thermal couple	
Temperature control accuracy	±1℃	
Temperature uniformity	±5℃	
Electric power supply	AC110-220V,50/60HZ	
Other Al2O3 alumina tube sizes and heating zone lengths can be customized		

No.	Description	Quantity
1	Furnace	1

2	Alumina tube	1
3	Vacuum flange set (pair)	1 (set of 2)
4	Tube thermal block (pair)	1 (set of 2)
5	Tube thermal block hook	1
6	Heat resistant glove (pair)	1
7	Operation manual	1

Multi Zone Laboratory Quartz Tube Furnace Tubular Furnace

Item Number: KT-MTF

Introduction

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

Learn More

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℃	
Constant work temperature	1650℃	
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℃	
Temperature uniformity	±5℃ (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

Laboratory Quartz Tube Furnace Rtp Heating Tubular Furnace

Item Number: KT-RTP

Introduction

KINTEK's RTP Rapid Heating Tube Furnace delivers precise temperature control, rapid heating up to 100°C/sec, and versatile atmosphere options for advanced lab applications.

Learn More

Furnace model	KT-RTP	KT-RTP Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1100℃	
Constant work temperature	1000℃	
Furnace tube material	High grade Quartz/ Al2O3 alumina	
Furnace tube diameter	50 / 60 / 80 / 100 mm	
Heating zone length	300 / 450 / 600 / 800 mm	
Vacuum sealing solution	SS 304 flange with solid copper seal ring	
Rated vacuum pressure	0.001Pa/10E5 torr	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil	
Temperature sensor	Build in K type Thermal couple	
Temperature control accuracy	±1℃	
Electric power supply	AC110-220V,50/60HZ	
Other furnace tube size and heating zone length can be customized		

No.	Description	Quantity
1	Furnace	1
2	Alumina tube	1
3	Vacuum flange	2
4	Tube thermal block	2
5	Tube thermal block hook	1
6	Heat resistant glove	1
7	Operation manual	1

Vertical Laboratory Quartz Tube Furnace Tubular Furnace

Item Number: KT-VTF

Introduction

Precision KINTEK Vertical Tube Furnace: 1800℃ heating, PID control, customizable for labs. Ideal for CVD, crystal growth & materials testing.

Learn More

Furnace model	KT-VTF	KT-VTF PRO
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1800℃	
Furnace tube material	High grade Quartz/ Al2O3 alumina	
Furnace tube diameter	50 / 60 / 80 / 100 mm	
Heating zone length	300 / 450 / 600 / 800 mm	
Vacuum sealing solution	SS 304 flange with solid copper seal ring	
Rated vacuum pressure	0.001Pa/10E5 torr	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil/SiC/MoSi2	
Thermal couple	K /S/B type	
Temperature control accuracy	±1℃	
Electric power supply	AC110-220V,50/60HZ	

Other furnace tube size and heating zone length can be customized

No.	Description	Quantity
1	Furnace	1
2	Alumina tube	1
3	Vacuum flange	2
4	Tube thermal block	2
5	Tube thermal block hook	1
6	Heat resistant glove	1
7	Operation manual	1

High Pressure Laboratory Vacuum Tube Furnace Quartz Tubular Furnace

Item Number: KT-PTF

Introduction

KINTEK High Pressure Tube Furnace: Precision heating up to 1100°C with 15Mpa pressure control. Ideal for sintering, crystal growth, and lab research. Customizable solutions available.

Learn More

Furnace model	KT-PTF	KT-PTF Pro
Temperature controller	Digital PID controller	Touch screen PID controller
Multi program preset	no	yes
Power failure restarting	no	yes
Max. temperature	1100℃	
Constant work temperature	1000℃	
Furnace tube material	Super nickel based alloy	
Furnace tube diameter	50 / 60 / 80 / 100 mm (Customizable)	
Heating zone length	300 / 450 / 600 / 800 mm (Customizable)	
Heating zone quantity	1-10 zones (Customizable)	
Vacuum sealing solution	SS 304 flange with solid copper seal ring	
Rated vacuum pressure	0.001Pa/10E-5 torr	
Rated positive pressure	15 Mpa (at ambient temp), 4 Mpa (at 800°C)	
Chamber material	Japan Al2O3 alumina fiber	
Heating element	Cr2Al2Mo2 wire coil	
Temperature sensor	Built-in K type Thermocouple	
Temperature control accuracy	±1℃	
Temperature uniformity	±5℃ (in constant temperature zone)	
Electric power supply	AC110-220V, 50/60HZ (Customizable)	

Other super nickel based alloy tube sizes and heating zone lengths can be customized.

No.	Description	Quantity
1	Furnace Main Body	1
2	High-Pressure Alloy Tube	1
3	Vacuum Flanges with Gas/Vacuum Ports & Pressure Gauge	2 sets
4	Tube Thermal Blocks/Plugs	2

5	Tube Thermal Block Hook	1
6	Heat Resistant Gloves	1 pair
7	Operation Manual	1

Kintek Furnace

Head Quarter: No.89 Science Avenue, High-Tech Zone,
Zhengzhou, China

info@kindle-tech.com | https://kintekfurnace.com