



KINTEK SOLUTION

Tube Furnace Catalog

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KINTEK SOLUTION

COMPANY PROFILE

>>> About Us

Kintek Solution Ltd is one technology orientated organization, team members are devoted to probing the most efficient and reliable technology and innovations in the scientific researching equipment, fields like biochemical reacting, new materials researching, heat treatment, vacuum creating, refrigerating, as well as pharmaceutical and petroleum extracting equipment.

In the past 20 years, we earned rich experiences in this researching equipment field, we are capable to supply both the equipment and solution according to customer's needs and realities, we have also developed lots of customer tailored equipment according to a specific working purpose, and we have lots of successful projects in many universities and institutes from different countries, like Asia, Europe, North and South America, Australia and New Zealand, Middle East, and Africa.

Profession, quick response, hard working, and sincerity is a remarkable label of our team members working attitude, which earn us a sound reputation among our clients.

We are here and ready to service our clients from different countries and regions, and share the most efficient and reliable technology together!



1200°C Split Tube Furnace With Quartz Tube

Item Number: KT-TF12



Introduction

KT-TF12 split tube furnace: high-purity insulation, embedded heating wire coils, and max. 1200C. Widely used for new materials and chemical vapour deposition.

[Learn More](#)

| | |
|------------------------------|--|
| Furnace model | KT-TF12 |
| Max. temperature | 1200°C |
| Constant work temperature | 1100°C |
| 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°C/min |
| Temperature sensor | Build in K type thermal couple |
| Temperature controller | Digital PID controller/Touch screen PID controller |
| Temperature control accuracy | ±1°C |
| Temperature uniformity | ±5°C |
| Electric power supply | AC110-220V,50/60HZ |

Other quartz size and heating zone length can be customized

| 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 |
| 7 | Operation manual | 1 |

1400°C Tube Furnace With Alumina Tube

Item Number: KT-TF14



Introduction

Looking for a tube furnace for high-temperature applications? Our 1400°C Tube Furnace with Alumina Tube is perfect for research and industrial use.

[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°C | |
| Constant work temperature | 1300°C | |
| Furnace tube material | High grade Al ₂ O ₃ 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/10E5 torr | |
| Rated positive pressure | 0.02Mpa/150 torr | |
| Chamber material | Japan Al ₂ O ₃ alumina fiberr | |
| Heating element | Cr ₂ Al ₂ Mo ₂ wire coil | |
| Heating rate | 0-10°C/min | |
| Temperature sensor | S type thermal couple | |
| Temperature control accuracy | ±1°C | |
| Temperature uniformity | ±5°C | |
| Electric power supply | AC110-220V,50/60HZ | |

Other Al₂O₃ alumina 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 |

| Furnace model | KT-TF14 | KT-TF14 Pro |
|---------------|-------------------------|-------------|
| 5 | Tube thermal block hook | 1 |
| 6 | Heat resistant glove | 1 |
| 7 | Operation manual | 1 |

1700°C Tube Furnace With Alumina Tube

Item Number: KT-TF17



Introduction

Looking for a high-temperature tube furnace? Check out our 1700°C Tube Furnace with Alumina Tube. Perfect for research and industrial applications up to 1700C.

[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°C | |
| Constant work temperature | 1650°C | |
| Furnace tube material | High grade Al ₂ O ₃ 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/10E5 torr | |
| Rated positive pressure | 0.02Mpa/150 torr | |
| Chamber material | Japan Al ₂ O ₃ alumina fiber | |
| Heating element | Cr ₂ Al ₂ Mo ₂ wire coil | |
| Heating rate | 0-10°C/min | |
| Temperature sensor | B type Thermal couple | |
| Temperature control accuracy | | ±1°C |
| Temperature uniformity | | ±5°C |
| Electric power supply | AC110-220V,50/60HZ | |
| Other Al ₂ O ₃ alumina 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 |

Multi Zone Tube Furnace

Item Number: KT-MTF



Introduction

Experience precise, efficient thermal testing with our Multi Zone Tube Furnace. Independent heating zones and temperature sensors allow for controlled high-temperature gradient heating fields. Order now for advanced thermal analysis!

[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°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 | |
| 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/10E5 torr | |
| Rated positive pressure | 0.02Mpa/150 torr | |
| Chamber material | Japan Al2O3 alumina fiber | |
| Heating element | Cr2Al2Mo2 wire coil | |
| Thermal couple | K /S/B type | |
| Temperature control accuracy | ±1°C | |
| Temperature uniformity | ±5°C | |
| Electric power supply | AC110-220V,50/60HZ | |

Other Al2O3 alumina 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 Tube Furnace

Item Number: KT-PTF



Introduction

KT-PTF High Pressure Tube Furnace: Compact split tube furnace with strong positive pressure resistance. Working temp up to 1100°C and pressure up to 15Mpa. Also works under controller atmosphere or high vacuum.

[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°C | |
| Constant work temperature | 1000°C | |
| Furnace tube material | Super nickel based alloy | |
| Furnace tube diameter | 50 / 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 solid copper seal ring | |
| Rated vacuum pressure | 0.001Pa/10E5 torr | |
| Rated positive pressure | 15 Mpa | |
| Chamber material | Japan Al2O3 alumina fiber | |
| Heating element | Cr2Al2Mo2 wire coil | |
| Temperature sensor | Build in K type Thermal couple | |
| Temperature control accuracy | ±1°C | |
| Temperature uniformity | ±5°C | |
| Electric power supply | AC110-220V,50/60HZ | |

Other super nickel based alloy 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 |

Rtp Heating Tube Furnace

Item Number: KT-RTP



Introduction

Get lightning-fast heating with our RTP Rapid Heating Tube Furnace. Designed for precise, high-speed heating and cooling with convenient sliding rail and TFT touch screen controller. Order now for ideal thermal processing!

[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°C | |
| Constant work temperature | 1000°C | |
| 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°C | |
| 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 Tube Furnace

Item Number: KT-VTF



Introduction

Elevate your experiments with our Vertical Tube Furnace. Versatile design allows for operation under various environments and heat treatment applications. Order now for precise results!

[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°C | |
| 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°C | |
| 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 |



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