



Lab Box Type Muffle Furnace Series



Product

1100°C Box Type Muffle Furnace-Mini



Introduction

Introduction

This box type furnace has a small volume, equivalent to the size of a computer case, and adopts a double-layer shell structure. The furnace chamber is made of alumina polycrystalline fiber material. The double layer furnace shell is equipped with an air-cooling system, which can quickly raise and reduce the temperature.

Parameter

Parameter	Description
Model	KF1100-Mini
Max Temperature	1100°C
Rated Temperature	1000°C
Heater	Resistance wire
Voltage	220V
Power	1.2kw
Size of furnace chamber	100x100x100mm
Thermocouple	K-type
Temperature control mode	30 segments Program PID Control (Programmable)
Temperature rising rate	≤30°C/min
Temperature rising rate (Recommended)	≤15°C/min
Heating mode	Heating from three sides of the furnace
Machine Size	220×270×380mm (LxWxH)

Product

1100°C Box Type Tubular Dual Purpose Furnace



Introduction

Introduction

The furnace is a double-layer shell structure, and the furnace material is alumina polycrystalline fiber material. The double layer furnace shell is equipped with an air-cooling system, which can quickly raise and lower the temperature. This furnace is equipped with quartz tubes and vacuum flanges, and can also be used as a tube furnace

Parameter

Parameter	Description
Model	KTL-1100
Max Temperature	1100°C
Rated Temperature	1000°C
Heater	Resistance wire
Voltage	220V
Power	1.2kw
Size of furnace chamber	100x100x100mm
Size of quartz tube	Diameter 50×175mm
Thermocouple	K-type
Temperature control mode	30 segments Program PID Control (Programmable)
Temperature rising rate	≤30°C/min
Temperature rising rate (Recommended)	≤15°C/min
Heating mode	Heating from three sides of the furnace
Machine Size	500×250×410 (LxWxH)

Product

1200°C Box Type Muffle Furnace-Mini



Parameter

Parameter	Description
Model	KF1200-Mini
Max Temperature	1200°C
Rated Temperature	1150°C
Heater	Resistance wire
Voltage	220V
Power	2.2kw
Size of furnace chamber	200x150x150mm
Thermocouple	K-type
Temperature control mode	30 segments Program PID Control (Programmable)
Temperature rising rate	≤30°C/min
Temperature rising rate (Recommended)	≤15°C/min
Heating mode	Heating from four sides of the furnace
Machine Size	450×550×650mm (LxWxH)

Product

1200°C Box Type Muffle Furnace



Normal Type



Automatic Gate Operator



**Dual Purpose Type
(Box type and Tube Type)**

Introduction

Introduction

The furnace can be equipped with an electric door opening device, controlled by a continuously variable speed motor, and the door opening and closing speed can be adjusted. This furnace can be equipped with corundum tubes for use as a tubular furnace.

Parameter

Parameter	Description
Max Temperature	1200°C
Rated Temperature	1150°C
Heater	Resistance wire
Thermocouple	K-type
Temperature control mode	30 segments Program PID Control (Programmable)
Temperature rising rate	≤30°C/min
Temperature rising rate (Recommended)	≤15°C/min
Heating mode	Heating from four sides of the furnace

Parameter

Model	KF1200-I	KF1200-II	KF1200-III	KF1200-IV	KF1200-V	KF1200-VI
Chamber Size (DxWxH)	300x200x120 mm	300x200x200 mm	300x250x250 mm	400x300x300 mm	500x400x400 mm	500x500x500 mm
Machine Size (LxWxH)	500x640x740 mm	500x700x820 mm	550x700x900 mm	650x750x960 mm	800x900x1160 mm	900x900x1260 mm
Power (KW)	3.5	4	5	9	15	18
Voltage (V)	220	220	220	380/3P	380/3P	380/3P

Product

1200°C Box Type Six Sides Heating Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1400°C
Rated Temperature	1350°C
Heater	silicon carbide rod
Thermocouple	S-type
Temperature control mode	30 segments Program PID Control (Programmable)
Temperature rising rate	≤30°C/min
Temperature rising rate (Recommended)	≤15°C/min
Heating mode	Heating from six sides of the furnace

Parameter

Model	KF1200-VI-I	KF1200-II	KF1200-III	KF1200-IV
Chamber Size (DxWxH)	300x200x200mm	400x300x300mm	500x400x400mm	500x500x500mm
Machine Size (LxWxH)	500x700x850mm	650x750x960mm	800x900x1160mm	900x900x1260mm
Power (KW)	4.2	9	15	18
Voltage (V)	220	380V/3P	380V/3P	380/3P

Product

1400°C Box Type Muffle Furnace



Normal Type



Split Type

Parameter

Parameter	Description
Max Temperature	1400°C
Rated Temperature	1350°C
Heater	silicon carbide rod
Thermocouple	S-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from two sides of the furnace

Parameter

Model	KF1400-I	KF1400-II	KF1400-III	KF1400-IV
Chamber Size (DxWxH)	160x150x150mm	200x200x200mm	300x200x200mm	300x250x250mm
Machine Size (LxWxH)	550x600x900mm	600x610x920mm	650x720x970mm	700x720x1020mm
Power (KW)	3	5	7	9
Voltage (V)	220	220	220	380/2P

Product

1400°C Large Size Box Type Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1400°C
Rated Temperature	1350°C
Heater	silicon carbide rod
Thermocouple	S-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from two sides of the furnace

Parameter

Model	KF1400-V	KF1400-VI	KF1400-VII
Chamber Size (DxWxH)	400x300x300mm	600x300x300mm	500x400x400mm
Machine Size (LxWxH)	700x800x1450mm	700x1000x1450mm	900x900x1750mm
Power (KW)	13	16.5	18
Voltage (V)	380/2P	380/3P	380/3P

Product

1400°C Box Type Four Sides Heating Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1400°C
Rated Temperature	1350°C
Heater	silicon carbide rod
Thermocouple	S-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from four sides of the furnace

Parameter

Model	KF1400-IV-I	KF1400-IV-II	KF1400-IV-III
Chamber Size (DxWxH)	400x300x300mm	500x400x400mm	600x600x600mm
Machine Size (LxWxH)	850x860x1650mm	960x960x1800mm	1150x1170x2000mm
Power (KW)	15	21	40
Voltage (V)	380/3P	380/3P	380/3P

Product

1700°C Box Type Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1700°C
Rated Temperature	1650°C
Heater	Silicon molybdenum rod
Thermocouple	B-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from two sides of the furnace

Parameter

Model	KF1700-I	KF1700-II	KF1700-III	KF1700-IV	KF1700-V	KF1700-VI	KF1700-VII
Chamber Size (DxWxH)	120x120x120 mm	160x120x120 mm	200x200x200 mm	300x200x200 mm	300x250x250 mm	400x300x300 mm	500x400x400 mm
Machine Size (LxWxH)	520x560x870 mm	550x600x900 mm	600x610x920 mm	650x720x970 mm	700x720x1020 mm	700x800x1450 mm	900x900x1750 mm
Power (KW)	2.5	3	5	7	9	13	24
Voltage (V)	220	220	220	220	380	380	380

Product

1700°C Box Type Four Sides Heating Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1700°C
Rated Temperature	1650°C
Heater	Silicon molybdenum rod
Thermocouple	B-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from four sides of the furnace

Parameter

Model	KF1700-IV-I	KF1700-IV-II	KF1700-IV-III	KF1700-IV-VI
Chamber Size (DxWxH)	400x300x300mm	500x400x400mm	500x500x300mm	600x600x600mm
Machine Size (LxWxH)	850x860x1650mm	960x960x1800mm	1050x1070x1700mm	1150x1170x2000mm
Power (KW)	15	29	27	40
Voltage (V)	380/3P	380/3P	380/3P	380/3P

Product

1750°C Box Type Muffle Furnace



Parameter

Parameter	Description
Max Temperature	1750°C
Rated Temperature	1700°C
Heater	1850 type Silicon molybdenum rod
Thermocouple	B-type
Temperature control mode	50 segments Program PID Control (Programmable)
Temperature rising rate	≤20°C/min
Temperature rising rate (Recommended)	≤10°C/min
Heating mode	Heating from two sides of the furnace

Parameter

Model	KF1750-I	KF1750-II	KF1750-III	KF1750-VI
Chamber Size (DxWxH)	120x120x120mm	160x150x150mm	300x200x200mm	400x300x300mm
Machine Size (LxWxH)	520x560x870mm	550x600x900mm	650x720x970mm	700x800x1450mm
Power (KW)	2.5	3	7	13
Voltage (V)	220	220	220	380

Product

1800°C Box Type Muffle Furnace



Introduction

Introduction

This box furnace adopts a double shell structure, and the furnace chamber is made of 900 type alumina polycrystalline fiber imported from Mitsubishi, Japan. The double layer furnace shell is equipped with an air cooling system that can quickly raise and lower the temperature. The power regulator is used to control the current and can limit the current throughout the entire process. The furnace is equipped with a travel switch, ammeter, voltmeter, etc. for opening and closing the door.

Parameter

Parameter	Description	
Model	KF1800	
Max Temperature	1800°C	
Rated Temperature	1750°C	
Heater	Kanthal Super-1900 Silicon Molybdenum Rod	
Voltage	220V	
Power	3kw	4.5kw
Size of furnace chamber	120x150x150mm	180x150x150mm
Thermocouple	PtRh40-PtRh20((Imported from the United States, temperature range for temperature measurement: 0-1870 °C)	
Temperature control mode	500 segments Program PID Control (Programmable), EURO THERM INSTRUMENT	
Temperature rising rate	≤20°C/min	
Temperature rising rate (Recommended)	≤10°C/min	
Machine Size	650x620x920mm (LxWxH)	650x650x920mm(LxWxH)