Infitek

# MUFFLE FURNACES

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**Infitek**

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# Muffle Furnace, 1200℃ High Temp, Box Type

**FNC-BX1200-1 FNC-BX1200-2II FNC-BX1200-3**
**FNC-BX1200-6 FNC-BX1200-9**


## Key Features

1200℃ maximum operating temperature.

High purity fibrous alumina insulation for maximum energy saving.

PID automatic control via current limiting phase angle fired the resistor, e.g. SCR (Silicon Controlled Rectifier).

Power control with 30 segments programmable.

SAFETY

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

Safety interlock with automatic power off the furnace when door is opened. (Optional)

## Optional

① Different chamber size for your choose.

② Touch screen (with USB interface)

③ Computer connection software, control equipment (RKC, 16-segment program + interface + software)

Note: You can only choose one between ② and ③

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.


FNC-BX1200-1


FNC-BX1200-2II FNC-BX1200-3
FNC-BX1200-6 FNC-BX1200-9

## Specifications

| Model | | FNC-BX1200-1 | FNC-BX1200-2II | FNC-BX1200-3 | FNC-BX1200-6 | FNC-BX1200-9 |
|---|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1200 | | | | |
| | Continuous working temp. (℃) | ≤1100 | | | | |
| | Heating rate | 0 ~ 30℃/ min, suggest to be 15℃/ min | | | | |
| | Accuracy (℃) | ±1 | | | | |
| | Uniformity (℃) | ±5 | | | | |
| Chamber Dimension(W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*120 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | | |
| External Size(W*D*H)(mm) | | 350*470*570 | 510*700*810 | 470*700*640 | 550*700*895 | 640*850*1050 |
| Capacity(L) | | 1 | 4.5 | 7.2 | 12 | 36 |
| Heating Element | | Resistance wire with Mo | | | | |
| Thermocouple | | K type | | | | |
| Chamber Material | | High purity alumina polycrystalline fiber | | | | |
| Electricity | | AC 220V, 50Hz/60Hz | AC 220V, 50Hz/60Hz | AC 220V, 50Hz/60Hz | AC 220V, 50Hz/60Hz | AC 380V, 50Hz/60Hz |
| Max. Consumption (kW) | | 1 | 2 | 3 | 6 | 9 |

# Muffle Furnace, High Temp, Box Type

**FNC-BX1400-2 FNC-BX1400-4 FNC-BX1400-9 FNC-BX1400-16**
**FNC-BX1700-2 FNC-BX1700-4 FNC-BX1700-9 FNC-BX1700-16**


## Key Features

1400℃, 1700℃ maximum operating temperature.

High purity fibrous alumina insulation for maximum energy saving.

PID automatic control via current limiting phase angle fired the resistor, e.g. SCR (Silicon Controlled Rectifier).

Power control with 30 segments programmable.

## Optional

① Different chamber size for your choose.

② Touch screen (with USB interface)

③ Computer connection software, control equipment (RKC, 16-segment program + interface + software)

Note: You can only choose one between ② and ③

## Please Note

Heat up rate is measured by using an empty chamber.

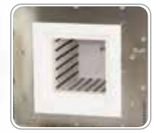
Holding power is measured at continuous operating temperature.

SAFETY

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

Safety interlock with automatic power off the furnace when door is opened. (Optional)


FNC-BX1400-2
FNC-BX1700-2

FNC-BX1400-4 FNC-BX1700-4
FNC-BX1400-9 FNC-BX1700-9
FNC-BX1400-16 FNC-BX1700-16

## Specifications

| Model | | FNC-BX1400-2 | FNC-BX1400-4 | FNC-BX1400-9 | FNC-BX1400-16 |
|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1400 | | | |
| | Continuous working temp. (℃) | ≤1300 | | | |
| | Heating rate | 0 ~ 30℃/ min, suggest to be 10℃/ min; | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Chamber Dimension (W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | |
| External Size(W*D*H)(mm) | | 350*470*570 | 510*700*810 | 550*700*895 | 640*850*1050 |
| Capacity (L) | | 1 | 4.5 | 12 | 36 |
| Heating Element | | SiC heating rod | | | |
| Thermocouple | | S type | | | |
| Chamber Material | | Alumina Ceramic fiber | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | AC 380V, 50Hz/60Hz |
| Max. Consumption (kW) | | 2 | 4 | 9 | 16 |
| **Model** | | **FNC-BX1700-2** | **FNC-BX1700-4** | **FNC-BX1700-9** | **FNC-BX1700-16** |
| Temperature | Max. temp (℃) | 1700 | | | |
| | Continuous working temp. (℃) | ≤1550 | | | |
| | Heating rate | 0 ~ 30℃/ min, suggest to be 5 ~ 10℃/ min | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Chamber Dimension (W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | |
| External Size(W*D*H)(mm) | | 350*470*570 | 510*700*805 | 550*700*895 | 640*850*1050 |
| Capacity (L) | | 1 | 4.5 | 12 | 36 |
| Heating Element | | MoSi2 heating rod | | | |
| Thermocouple | | B type | | | |
| Chamber Material | | Ceramic fiber | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | AC 380V, 50Hz/60Hz | |
| Max. Consumption (kW) | | 2 | 4 | 9 | 16 |

# Muffle Furnace, High Temp

**FNC-AS1200-1** **FNC-AS1200-2** **FNC-AS1200-6** **FNC-AS1200-9**
**FNC-AS1400-2** **FNC-AS1400-4** **FNC-AS1400-9** **FNC-AS1400-16**
**FNC-AS1700-2** **FNC-AS1700-4** **FNC-AS1700-9** **FNC-AS1700-16**


## Key Features

1200℃, 1400℃, 1700℃ maximum operating temperature.

High purity fibrous alumina insulation for maximum energy saving.

PID automatic control via current limiting phase angle fired the resistor, e.g. SCR (Silicon Controlled Rectifier).

Power control with 30 segments programmable.

## SAFETY

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

Safety interlock with automatic power off the furnace when door is opened. (Optional)

Box type atmosphere muffle furnace is suitablefor the colleges and universities, research institutes,industrial and mining enterprises do protectiveatmosphere sintering use. It is an ideal equipment inthe reductive atmosphere. A uniform temperature field,heating rate, energy saving, can inlet various gases, etc.

## Optional

① Different chamber size for your choose.

② Touch screen (with USB interface)

③ Computer connection software, control equipment (RKC, 16-segment program + interface + software)

Note: You can only choose one between ② and ③

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.

## Specifications

| Model | | FNC-AS1200-1 | FNC-AS1200-2 | FNC-AS1200-6 | FNC-AS1200-9 |
|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1200 | | | |
| | Continuous working temp. (℃) | ≤1100 | | | |
| | Heating rate | 0 ~ 30℃/ min, suggest to be 15℃/ min; | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Chamber Dimension (W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | |
| External Size(W*D*H)(mm) | | 650*600*865 | 670*600*930 | 660*750*1020 | 830*910*1265 |
| Capacity (L) | | 1 | 4.5 | 12 | 36 |
| Heating Element | | Resistance wire, Fe-Cr-Al Alloy doped by Mo | | | |
| Thermocouple | | K type | | | |
| Chamber Material | | Alumina ceramic fiberboard | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | AC380 V, 50Hz/60Hz |
| Gas available | | all inert gases, mixed gases, nitrogen, oxygen, carbon monoxide, argon, etc. | | | |
| Gas control | | One or more(optional) inlets can be set at the inlet end, each inlet is equipped with a ball valve and connected to a vacuum gauge. The outlet end is connected to an outlet hole and a vacuum hole, and all holes are equipped with ball valves. Equipped with a vacuum pump. | | | |
| Sealing method | | The furnace door is milled with a flat surface and a silicone strip is embedded in the seal, which has strong sealing performance and is easy to open and close. | | | |
| Max. Consumption (kW) | | 1 | 2 | 6 | 9 |


## Specifications

| Model | | FNC-AS1400-2 | FNC-AS1400-4 | FNC-AS1400-9 | FNC-AS1400-16 |
|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1400 | | | |
| | Continuous working temp. (℃) | ≤1300 | | | |
| | Heating rate | 0 ~ 30℃/ min, suggest to be 10℃/ min; | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Chamber Dimension (W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | |
| External Size(W*D*H)(mm) | | 650*600*865 | 620*650*930 | 660*750*1020 | 830*910*1265 |
| Capacity (L) | | 1 | 4.5 | 12 | 36 |
| Heating Element | | Silicon carbon rod | | | |
| Thermocouple | | S type | | | |
| Chamber Material | | Alumina ceramic fiberboard | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | AC380V, 50Hz/60Hz |
| Gas available | | all inert gases, mixed gases, nitrogen, oxygen, carbon monoxide, argon, etc. | | | |
| Gas control | | One or more(optional) inlets can be set at the inlet end, each inlet is equipped with a ball valve and connected to a vacuum gauge. The outlet end is connected to an outlet hole and a vacuum hole, and all holes are equipped with ball valves. Equipped with a vacuum pump. | | | |
| Sealing method | | The furnace door is milled with a flat surface and a silicone strip is embedded in the seal, which has strong sealing performance and is easy to open and close. | | | |
| Max. Consumption (kW) | | 2 | 4 | 9 | 16 |






## Specifications

| Model | | FNC-AS1700-2 | FNC-AS1700-4 | FNC-AS1700-9 | FNC-AS1700-16 |
|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1700 | | | |
| | Continuous working temp. (℃) | ≤1550 | | | |
| | Heating rate | 0~20℃/min, suggest to be 5-10℃/min; | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Chamber Dimension (W*D*H)(mm) | | 100*100*100 | 150*200*150 | 200*300*200 | 300*400*300 |
| | | (Or customize as your requirement) | | | |
| External Size(W*D*H)(mm) | | 580*600*835 | 670*700*930 | 660*750*1020 | 830*910*1265 |
| Capacity (L) | | 1 | 4.5 | 12 | 36 |
| Heating Element | | Silicon molybdenum rod | | | |
| Thermocouple | | B type | | | |
| Chamber Material | | Alumina ceramic fiberboard | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | AC 380V, 50Hz/60Hz | |
| Gas available | | all inert gases, mixed gases, nitrogen, oxygen, carbon monoxide, argon, etc. | | | |
| Gas control | | One or more(optional) inlets can be set at the inlet end, each inlet is equipped with a ball valve and connected to a vacuum gauge. The outlet end is connected to an outlet hole and a vacuum hole, and all holes are equipped with ball valves. Equipped with a vacuum pump. | | | |
| Sealing method | | The furnace door is milled with a flat surface and a silicone strip is embedded in the seal, which has strong sealing performance and is easy to open and close. | | | |
| Max. Consumption (kW) | | 2 | 4 | 9 | 16 |

# Muffle Furnace,
# High Temp, Tube / Horizontal Type

**FNC-TB1200-A2 FNC-TB1200-B2 FNC-TB1200-C2 FNC-TB1200-D2**
**FNC-TB1200-A3 FNC-TB1200-B3 FNC-TB1200-C3 FNC-TB1200-D3**
**FNC-TB1200-A4 FNC-TB1200-B4 FNC-TB1200-C4 FNC-TB1200-D4**


## Key Features

1200°C maximum operating temperature;

PID automatic control via current limiting phase angle fired the resistor, e.g. SC R (Silicon Controlled Rectifier);

30 segments “time-temperature curve” can be set arbitrarily.

The tube furnace uses high-purity quartz or alumina tubes as furnace tubes. The furnace tubes are designed to be installed horizontally and the temperature zone is designed to be single zone.

## Optional

Different chamber size for your choose.

Touch screen (with USB interface)

Computer connection software, control equipment (RKC, 16-segment program + interface + software)
Note: You can only choose one between 2 and 3

Safety interlock with automatic power off the furnace when door is opened.

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.






**SAFETY**

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

## Specifications

| Model | | FNC-TB1200-A2 | FNC-TB1200-B2 | FNC-TB1200-C2 | FNC-TB1200-D2 |
|---|---|---|---|---|---|
| | | FNC-TB1200-A3 | FNC-TB1200-B3 | FNC-TB1200-C3 | FNC-TB1200-D3 |
| | | FNC-TB1200-A4 | FNC-TB1200-B4 | FNC-TB1200-C4 | FNC-TB1200-D4 |
| Temperature | Max. temp (℃) | 1200 | | | |
| | Continuous working temp. (℃) | ≤1100 | | | |
| | Heating rate | 0 ~ 20℃/ min (suggest to be 0 ~ 10℃/ min) | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Furnace tube material | | Quartz tube | | | |
| Total length of furnace tube (mm) | | 2 Series: 800 ; 3 Series: 1000 ; 4 Series: 1000 ; | | | |
| Standard Heating Zone Length (mm) | | 2 Series: 205 ; 3 Series: 350 ; 4 Series: 440 ; | | | |
| Standard Tube Diameter (mm) | | ∮40 | ∮60 | ∮80 | ∮100 |
| External Size(W*D*H)(mm) | | 2 Series: 505*420*646 ; 3 Series: 650*420*665; 4 Series: 740*420*668 ; | | | |
| Heating Element | | Resistance wire | | | |
| Thermocouple | | K type | | | |
| Chamber Material | | Alumina ceramic fiber | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | |

# Muffle Furnace,
# High Temp, Tube / Horizontal Type

**FNC-TB1400-A2 FNC-TB1400-B2 FNC-TB1400-C2 FNC-TB1400-D2**
**FNC-TB1400-A3 FNC-TB1400-B3 FNC-TB1400-C3 FNC-TB1400-D3**
**FNC-TB1400-A4 FNC-TB1400-B4 FNC-TB1400-C4 FNC-TB1400-D4**


## Key Features

1400°C maximum operating temperature;

PID automatic control via current limiting phase angle fired the resistor, e.g. SC R (Silicon Controlled Rectifier);

30 segments “time-temperature curve” can be set arbitrarily.

The tube furnace uses high-purity quartz or alumina tubes as furnace tubes. The furnace tubes are designed to be installed horizontally and the temperature zone is designed to be single zone.

## Optional

① Different chamber size for your choose.

② Touch screen (with USB interface)

③ Computer connection software, control equipment (RKC, 16-segment program + interface + software)

Note: You can only choose one between ② and ③

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.

**SAFETY**

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

## Specifications

| Model | | FNC-TB1400-A2 | FNC-TB1400-B2 | FNC-TB1400-C2 | FNC-TB1400-D2 |
|---|---|---|---|---|---|
| | | FNC-TB1400-A3 | FNC-TB1400-B3 | FNC-TB1400-C3 | FNC-TB1400-D3 |
| | | FNC-TB1400-A4 | FNC-TB1400-B4 | FNC-TB1400-C4 | FNC-TB1400-D4 |
| Temperature | Max. temp (℃) | 1400 | | | |
| | Continuous working temp. (℃) | ≤1300 | | | |
| | Heating rate | 0 ~ 20℃/ min (suggest to be 0 ~ 10℃/ min) | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Furnace tube material | | Corundum tube | | | |
| Total length of furnace tube (mm) | | 2 Series: 800 ; 3 Series: 1000 ; 4 Series: 1200 ; | | | |
| Standard Heating Zone Length (mm) | | 2 Series: 205 ; 3 Series: 350 ; 4 Series: 440 ; | | | |
| External Size(W*D*H)(mm) | | ∮40 | ∮60 | ∮80 | ∮100 |
| Standard Tube Diameter (mm) | | 2 Series: 630*590*767 ; 3 Series: 724*590*807 ; 4 Series: 794*590*800 ; | | | |
| Heating Element | | SiC heating rod | | | |
| Thermocouple | | S type | | | |
| Chamber Material | | Alumina ceramic fiber | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | |

# Muffle Furnace,
# High Temp, Tube / Horizontal Type

**FNC-TB1700-A2 FNC-TB1700-B2 FNC-TB1700-C2 FNC-TB1700-D2**
**FNC-TB1700-A3 FNC-TB1700-B3 FNC-TB1700-C3 FNC-TB1700-D3**
**FNC-TB1700-A4 FNC-TB1700-B4 FNC-TB1700-C4 FNC-TB1700-D4**

CE


## Key Features

1700°C maximum operating temperature;

PID automatic control via current limiting phase angle fired the resistor, e.g. SC R (Silicon Controlled Rectifier);

30 segments “time-temperature curve” can be set arbitrarily.

The tube furnace uses high-purity quartz or alumina tubes as furnace tubes. The furnace tubes are designed to be installed horizontally and the temperature zone is designed to be single zone.

## Optional

① Different chamber size for your choose.

② Touch screen (with USB interface)

③ Computer connection software, control equipment (RKC, 16-segment program + interface + software)

Note: You can only choose one between ② and ③

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.

**SAFETY**

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

## Specifications

| Model | | FNC-TB1700-A2 FNC-TB1700-A3 FNC-TB1700-A4 | FNC-TB1700-B2 FNC-TB1700-B3 FNC-TB1700-B4 | FNC-TB1700-C2 FNC-TB1700-C3 FNC-TB1700-C4 | FNC-TB1700-D2 FNC-TB1700-D3 FNC-TB1700-D4 |
|---|---|---|---|---|---|
| Temperature | Max. temp (℃) | 1700 | | | |
| | Continuous working temp. (℃) | ≤1550 | | | |
| | Heating rate | 0 ~ 20℃/ min (suggest to be 0 ~ 10℃/ min) | | | |
| | Accuracy (℃) | ±1 | | | |
| | Uniformity (℃) | ±5 | | | |
| Furnace tube material | | Corundum tube | | | |
| Total length of furnace tube (mm) | | 2 Series: 800 ; 3 Series: 1000 ; 4 Series: 1200 ; | | | |
| Standard Heating Zone Length (mm) | | 2 Series: 205 ; 3 Series: 350 ; 4 Series: 440 ; | | | |
| Standard Tube Diameter (mm) | | ∮40 | ∮60 | ∮80 | ∮100 |
| External Size(W*D*H)(mm) | | 2 Series: 630*590*767 ; 3 Series: 724*590*807 ; 4 Series: 794*590*800 ; | | | |
| Heating Element | | MoSi2 heating rod | | | |
| Thermocouple | | B type | | | |
| Chamber Material | | Alumina ceramic fiber | | | |
| Electricity | | AC 220V, 50Hz/60Hz | | | |
| Package Dimension (W*D*H) (mm) | | 870*750*1220 | | | |
| G.W.(kg) | | 176.5 | | | |

# Muffle Furnace

**FNC-BX1200-2.5E FNC-BX1200-5E FNC-BX1200-8E FNC-BX1200-10E**


## Key Features

P Type, 1200℃ maximum operating temperature.

High purity fibrous alumina insulation for maximum energy saving.

E Type: domestic Xianmen Yudian single-stage temperature controller.

Without E & P Type: Japaness conduction single-stage temperature controller.

P Type: PID automatic control via current limiting phase angle fired the resistor, e.g. SCR (Silicon Controlled Rectifier).

P Type: Japaness Fuji color LCD 64-segment programmed temperature controller.

## Optional

Different chamber size for your choose.

LCD touch screen control for choose.

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.

SAFETY

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

Safety interlock with automatic power off the furnace when door is opened.


## Specifications

| Model | | FNC-BX1200-2.5E | FNC-BX1200-5E | FNC-BX1200-8E | FNC-BX1200-10E |
|---|---|---|---|---|---|
| Heating Mode | | Alloy wire heating in three sides left; right; top side. | | | |
| Temperature | Max. temp (℃) | 1200 | | | |
| | Accuracy (℃) | ±1 | | | |
| | Heating rate (min) | ≤30 | | | |
| Chamber Dimension (W*D*H)(mm) | | 120*200*80 | 200*300*120 | 200*300*200 | 250*400*160 |
| External Size(W*D*H)(mm) | | 450*685*600 | 530*785*640 | 530*785*720 | 600*895*700 |
| Capacity (L) | | 2 | 7 | 12 | 16 |
| Heating Element | | Alloy heating wire | | | |
| Thermocouple | | E: Platinum-rhodium sensor; Without E: K type | | | |
| Chamber Material | | Ceramic fiber | | | |
| Outer Shell | | Cold rolling steel electrostatic spraying exterior | | | |
| Temp. Control Mode | | E type: Domestic Xianmen Yudian single-stage temperature controller | | | |
| | | Without E type: Japaness conduction single-stage temperature controller | | | |
| Electricity | | AC220V / 6.6A 50 / 60HZ | AC220V / 13.6A 50 / 60HZ | AC220V / 20.4A 50 / 60HZ | AC380V / 9.9A 50 / 60HZ |
| Max. Consumption (kW) | | 1.5 | 3.0 | 4.5 | 6.0 |

# Muffle Furnace

**FNC-BX1200-2.5ES FNC-BX1200-5ES FNC-BX1200-8ES FNC-BX1200-10ES**
**FNC-BX1200-2PS FNC-BX1200-7PS FNC-BX1200-12PS FNC-BX1200-16PS**


## Key Features

1200℃ maximum operating temperature.

High purity fibrous alumina insulation for maximum energy saving.

ES Type : Domestic Xiamen Yudian single-stage temperature controller.

S Type: Japanese conduction single-stage temperature controller.

PS Type: PID automatic control via current limiting phase angle fired the resistor, e.g. SCR (Silicon Controlled Rectifier).

PS Type: Japaness Fuji color LCD 64-segment programmed temperature controller.

## Optional

Different chamber size for your choose.

LCD touch screen control for choose.

## Please Note

Heat up rate is measured by using an empty chamber.

Holding power is measured at continuous operating temperature.

SAFETY

Double layer steel structure with air cooling fan to keep furnace's exteriors safe to touch.

Safety interlock with automatic power off the furnace when door is opened.

## Specifications

| Model | | FNC-BX1200-2.5ES | FNC-BX1200-5ES | FNC-BX1200-8ES | FNC-BX1200-10ES |
|---|---|---|---|---|---|
| Heating Mode | | Alloy wire heating in three sides left; right; top side. | | | |
| Temperature | Max. temp (℃) | 1200 | | | |
| | Accuracy (℃) | ±1 | | | |
| | Heating rate (min) | ≤30 | | | |
| Chamber Dimension (W*D*H)(mm) | | 120*200*80 | 200*300*120 | 200*300*200 | 250*400*160 |
| External Size(W*D*H)(mm) | | 450*685*600 | 530*785*640 | 530*785*720 | 600*895*700 |
| Capacity (L) | | 2 | 7 | 12 | 16 |
| Heating Element | | Alloy heating wire | | | |
| Thermocouple | | ES: Platinum-rhodium sensor; S:K type | | | |
| Chamber Material | | Ceramic fiber | | | |
| Outer Shell | | cold rolling steel electrostatic spraying exterior | | | |
| Temp. Control Mode | | ES type: Domestic Xiamen Yudian single-stage temperature controller | | | |
| | | S type: Japanese conduction single-stage temperature controller | | | |
| Electricity | | AC220V / 6.6A 50 / 60HZ | AC220V / 13.6A 50 / 60HZ | AC220V / 20.4A 50 / 60HZ | AC380V / 9.9A 50 / 60HZ |
| Max. Consumption (kW) | | 1.5 | 3.0 | 4.5 | 6.0 |

| Model | | FNC-BX1200-2PS | FNC-BX1200-7PS | FNC-BX1200-12PS | FNC-BX1200-16PS |
|---|---|---|---|---|---|
| Heating Mode | | Alloy wire heating in three sides left; right; top side. | | | |
| Temperature | Max. temp (℃) | 1200 | | | |
| | Accuracy (℃) | ±1 | | | |
| | Heating rate (min) | ≤30 | | | |
| Chamber Dimension (W*D*H)(mm) | | 120*200*80 | 200*300*120 | 200*300*200 | 250*400*160 |
| External Size(W*D*H)(mm) | | 450*685*600 | 530*785*640 | 530*785*720 | 600*895*700 |
| Capacity (L) | | 2 | 7 | 12 | 16 |
| Heating Element | | Alloy heating wire | | | |
| Thermocouple | | K type | | | |
| Chamber Material | | Ceramic fiber | | | |
| Outer Shell | | Stainless steel | | | |
| Temp. Control Mode | | Japaness Fuji color LCD 64-segment programmed temperature controller | | | |
| Electricity | | AC220V / 6.6A 50 / 60HZ | AC220V / 13.6A 50 / 60HZ | AC220V / 20.4A 50 / 60HZ | AC380V / 9.9A 50 / 60HZ |
| Max. Consumption (kW) | | 1.5 | 3.0 | 4.5 | 6.0 |