

Electric Furnace Information about Options

Nitrogen atmosphere specifications

The main body is provided with a piping for injecting nitrogen gas and a flow meter.

High-temperature heat treatment easily causes oxidation and decarbonization. This also leads to the cause of insufficient hardness. Oxidation and decarbonization can be reduced even if only slightly by filling a furnace with nitrogen gas and decreasing the oxygen concentration. It is also expected to improve the operating efficiency in a post-process.



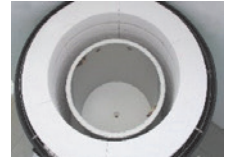
Inner cover

When injecting nitrogen gas, a space with high sealing degree can be formed by installing an Inner cover in a furnace. Double sealing is obtained as compared with during use in an ordinary nitrogen atmosphere. Therefore, we expect an effect for further reducing oxidation and decarbonization.

It has a top cover so that only the workpiece can be removed.

※ Not available in "ELEPOT LU type".

★ Can be used only when using the option based on "nitrogen atmosphere specifications".



Reinforced Bottom(30kg/50kg)



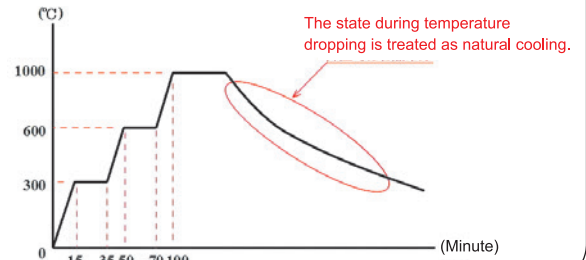
The amount of treatment can be changed (modified) to "30 kg or less" or "50 kg or less" by reinforcing the bottom. A heavy object can be treated in this case.

* Can be used only for an LH type.

Program temperature controller

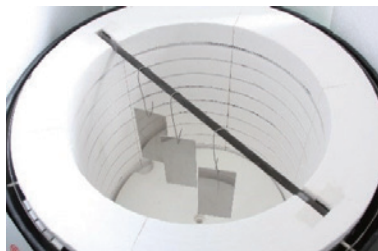
In ordinary specifications, multiple temperatures cannot be set. In a "program temperature controller", a temperature gradient can be set in the range of "1 pattern/9 steps". The range in which the program temperature controller is used becomes wide. It is possible to increase temperature stepwisely or slowly.

* The state during temperature dropping is treated as natural cooling or furnace cooling.



Hanging processing

A heat-resisting hanger rod is installed in the frame part of the ELEPOT electric furnace so that a workpiece can be hung.



The hanging processing is mainly suitable for the following cases:

"Conditions under which a workpiece cannot be put on the floor surface"

"Reduction in the warp and distortion of a workpiece"

"Workpiece treatment of a thin plate and cutting tool"

Automatic power off

After the end of the set holding time, the heater will automatically turn off.

It can also be used as a measure against forgetting to turn off the power.

It is also effective as a measure against disturbing neighbors by the buzzer sound during night work.

※1. A buzzer is not provided.

※2. When "Programmed Temperature Controller" is selected, "Automatic power off" is not necessary.

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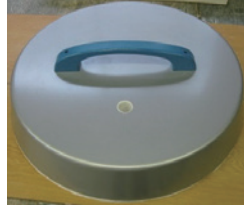
Upper lid hole processing (with mini-lid)

By piercing a hole in a lid, gas is designed to release during heating.

When smoke or gas is released from a workpiece, the load applied to a workpiece heater ceramic part is reduced by discharging the smoke or gas from a hole.

This furnace is more effective when used together with the "in-furnace protection case" described below.

This furnace can also be used in the same way as usually by closing the hole using a supplied mini-lid.

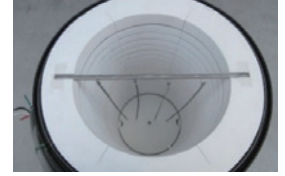


Two-stage configuration

When in-furnace height is insufficient in standard specifications, it can be doubled by connecting heater units in a two-stage form.

This is suitable for processing of something long. Configuration consisting of three stages or more can also be manufactured. For more details, consult our sales office.

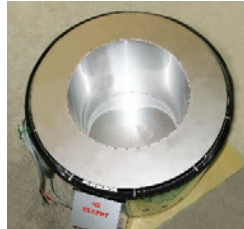
* Hanging processing is an option.



In-furnace protection case

The in-furnace protection case is a stainless-steel cover. It is a cylindrical case that covers the whole furnace from the edge part of the ELEPOT electric furnace.

The case protects a heater ceramic part from "smoke or gas generated from a workpiece", "scale (iron scraps and refuse)", and "metal spilt during melting" because it is perfectly separated from a heater area.

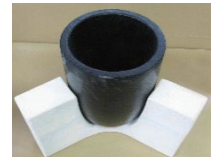


Melting pot and pedestal

The melting pot is suitable for melting when it is used in the ELEPOT electric furnace.

- Various melting pots are available.
- A pedestal can be manufactured according to the size of the melting pot so as to prevent a melting pot from falling down.

Consult our sales office for more details (on size, etc.).



Change in voltage

Voltage can be changed to voltage specifications such as 220 V, 380 V, and 400 V when adjusting it to overseas use or in-factory power supply.

We have also exported products overseas. For more details, consult our sales office.



Option



**We also accept modifications,
so please contact us.**



Contact details

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