

IMPORTANT INSTRUCTIONS:

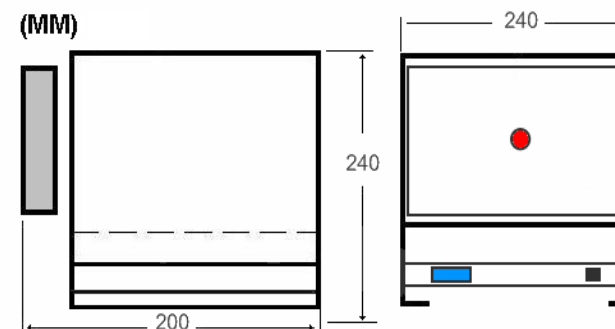
- Please follow all the standard health and safety rules and regulations for works with heating equipment.
- Always make sure that the door is closed properly to switch on the power supply by under-door secure switch and to speed up a heating process.
- Always use heat resistant gloves when using the kiln.
- To open the kiln's door just open and pull the latch toggle clamp on the door.
- Never torch the toggle clamp by open hand - always use gloves.
- Keep out of reach of children because of high temperatures reached.
- Never leave this kiln unattended when it is in work.
- The kiln should be positioned on a level surface that will not be damaged by heat. A masonry or concrete floor is recommended, but other protective material like metal or ceramic top may be used.
- The kiln should be kept away from all inflammable materials such as curtains, shredded paper etc and from any heating devices.
- Never heat it up for more then 1000°C (1832 F) – higher temperature may damage the heating element (Spare parts and all accessories are available on www.technicalsupermarket.com).
- When you place an object inside the chamber please make sure that it not touch the heating element.
- If not in use please disconnect it from a power supply.
- Do not move or torch the fume-filter when it is hot.
- Maximum continuously heating time - 12 hours.
- Change charcoal only on a fume-filter that is already fully cooled down.
- You can use this kiln without fume filter as well—just close the top hole by a piece of metal or ceramic (tile) to avoid heat leaking from inside the chamber.

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R14-F ELECTRICAL KILN **WITH FF-122 FUME-FILTER SET**

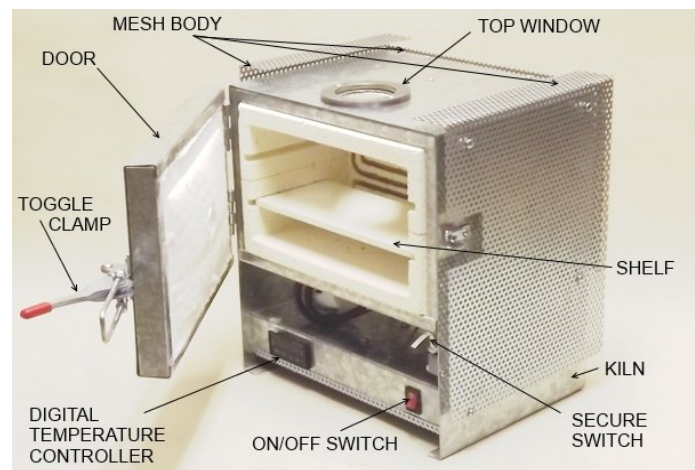
PRODUCT INTRODUCTION:

R14-F kiln is a kiln with a digital temperature controller, one shelf and with a ventilation hole and shutter on the door. It is designed to work with metals, wax, clays, glass and enamels. Maximum working temperature inside the chamber is 1000°C (1832 F). The digital electronic controller on the kiln allows regulating temperatures between 0°C to 1000°C (1832 F). The maximum temperature of 1000°C (1832 F) can be reached in approximately 50 minutes. R14-F kiln's design has a special feature: with a 45-mm top ventilation hole with a filter on the top for air cleaning and ventilation purpose.



TECHNICAL SPECIFICATIONS:

MODEL	R14-F-2014
VOLTAGE / AMPERAGE	115/220/240 V
POWER	800 Watt
MAXIMUM HEATING T (Room T = 22°C)	1000°C (+/-°C) / 1832 F
AVERAGE REGULATED T (Room T = 22°C)	Room T – 1000°C / 1832 F
ESTIMATED HEATING TIME (Room t = 22°C): 1000°C	50 Min
DIGITAL TEMPERATURE CONTROLLER	Yes (+/- 1°C accuracy)
DIGITAL CONTROLLER (T/M TYPE)	C/F (PID) - One segment
CERAMIC SHELF	1
SOLID STATE RELAY (SSR)	Yes. 25A
CHAMBER DIMENSIONS (MM/inch)	175/7"(W) x 100/4"(H) x 100/4"(D)
THE KILN DIMENSIONS (MM/inch)	240/10"(W) x 240/10"(H) x 200/8"(D)
DIAMETER OF TOP WINDOW	45 MM
WEIGHT	3.8 Kg



FIRST TIME USE:

Please check that the kiln's power switch is turned 'OFF' before connecting it to the power source.

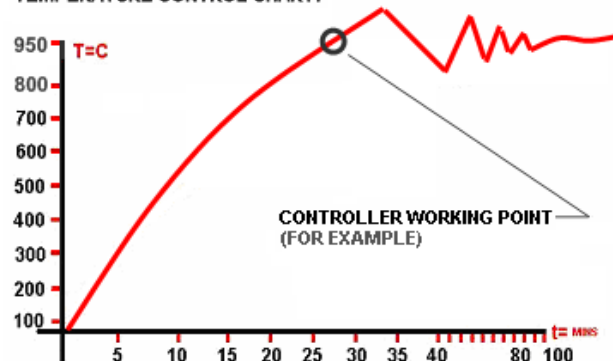
In order to begin work with this kiln the electronic temperature controller need to be set up according to the temperature you require. Originally brand new kiln's controller is already settled at 1000° C (1832 F) on factory.

If the required temperature is different you can pre-set it your self. The information is provided below in step-by-step instruction on how to change temperature's setting.

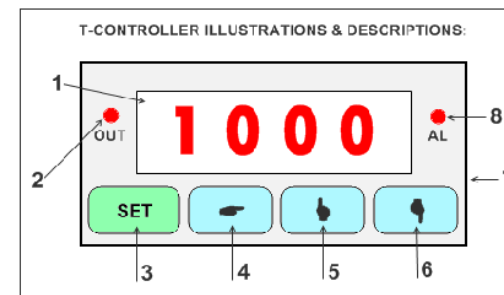
When *used for the first time* heat up the kiln for approximately 2-3 minutes at 200° C -300° C temperatures and without top plug. This allows water to evaporate from the chamber and the inside of the kiln. Otherwise there is a risk of causing damage (small cracks) to the chamber. Let the kiln to cool down before you start your work. If the kiln is used less than once per month repeat the process each time the kiln is used.

Now place a fume filter you have on the top of kiln's top hole and start your work. Please refer to fume-filter instruction about more information how to use it.

TEMPERATURE CONTROL CHART:



3 **TEMPERATURE CONTROLLER:**



1. Temperature can be displayed in degree Celsius (°C) or in Fahrenheit (F) if required.
2. Operational indicator operates during the heating process.
3. This Setting/Confirmation button is to be used **ONLY** for the setup of the controller's parameters by the manufacture.
4. Segment's selector is for auto tuning.
5. Value decrement / preceding parameter is used to setup a required temperature.
6. Value increment / next parameter is used to setup a required temperature.
7. The T-controller.
8. Alarm/ Indicator (NOTE: this setting is only available on request during purchase as well as available to be added into your current kiln. Both are for an extra fee).

TO SET A REQUIRED TEMPERATURE:

1. Connect your furnace to a power supply.
2. Open kiln's door (to avoid starting a heating process) and switch it 'On'.
3. Press button '5' or "6" to get the temperature that is required. For example if you want 950° C (1742 °F), hold '5' until that number (950) is displayed. Please note: to change temperature 1-by-1 degree you should short-press a required button. If you want to change temperatures quicker (by 10 degrees) then press and HOLD the required button as long as you need.
4. Release the button and wait for approximately 5 seconds. During that time the controller's display will still show the new setting and then will back to display a real temperature inside the chamber. That's it: close the door and start your works.
5. If you can't get a required temperature on your kiln please contact us regarding this matter and we will help to do it for you by email or online: via our website's chat training-room.
6. Please note that factory's setting is 1000 C (1832 F). Physically you can re-set this controller on higher temperatures, but it still will heat up maximum only to 1000 C.

IMPORTANT INFORMATION:

If you have also any other problem with this digital temperature controller (for example — lost factory settings or if you wish to reset the controller to measure temperatures in Fahrenheit) please feel free to contact us for a full instruction manual or for an online training. We will do it for you as soon as possible with pleasure in suitable for you time worldwide.