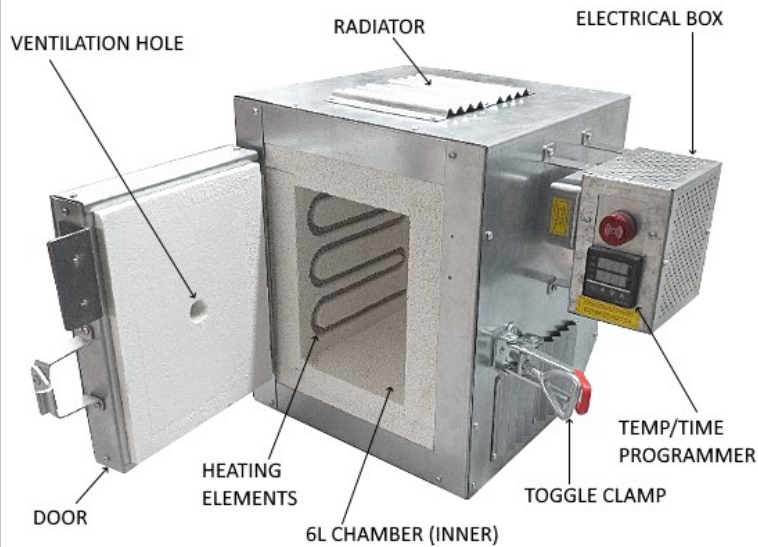


R-6L PROGRAMMABLE ELECTRIC KILN USER MANUAL

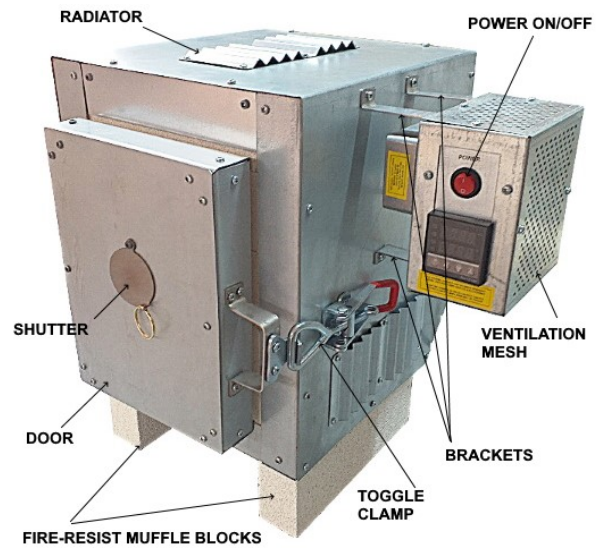
PRODUCT INTRODUCTION:

THIS R-6L ELECTRIC MUFFLE KILN WITH A SIMPLE-TO-USE PROGRAMMABLE TEMPERATURE CONTROLLER AND 6 LITRE CHAMBER IS SPECIFICALLY DESIGNED TO WORK WITH MANY TYPES OF MATERIALS, INCLUDING: GLASS, WAXES, METALS, CLAYS, ENAMELS, STONES, PORCELAIN, GLAZING AND OTHERS WITH FIRING TEMPERATURES OF UP TO 1,240°C/2,264°F. IT ALSO HAS ONE HOLE WITH A STAINLESS STEEL SHUTTER ON THE DOOR FOR VENTILATION, A DIGITAL, ANTI-OVER/UNDER HEATING SECURE SYSTEM FOR MAINTAINING A SINGLE TEMPERATURE DURING THE ENTIRE SOAKING PROCESS AND AN INTERNAL SMOOTHING CIRCUIT TO CORRECTLY READ AND STABILIZE ELECTRICITY FLUCTUATIONS, WHICH IS ESSENTIAL FOR MOST FIRING PROCESSES.

Pic. 1 FRONT VIEW 1:

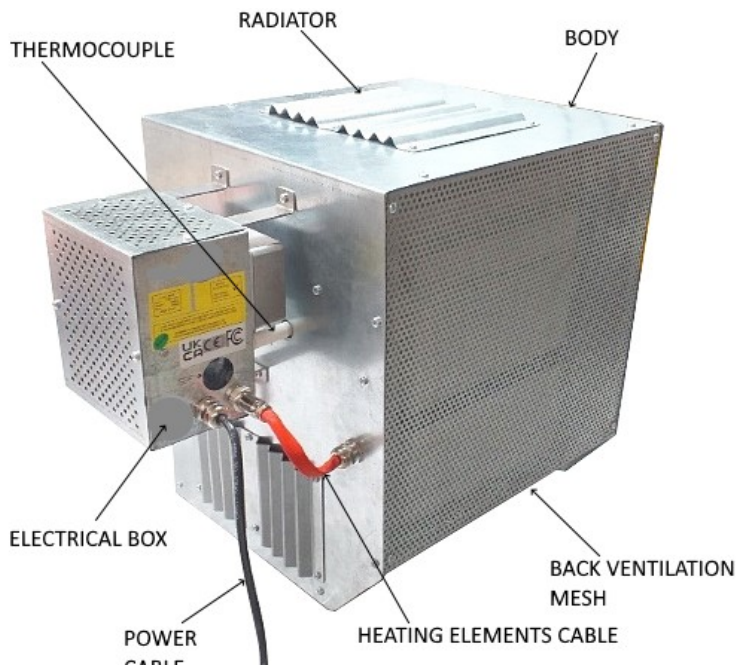
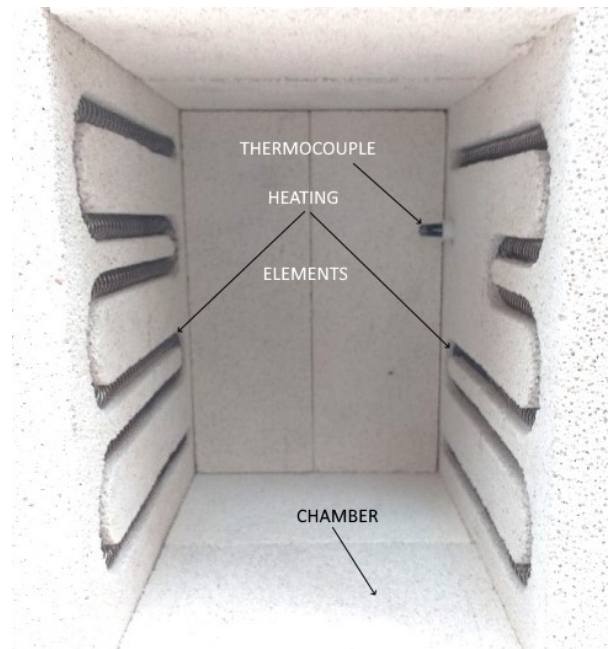


Pic. 2 FRONT VIEW 2:

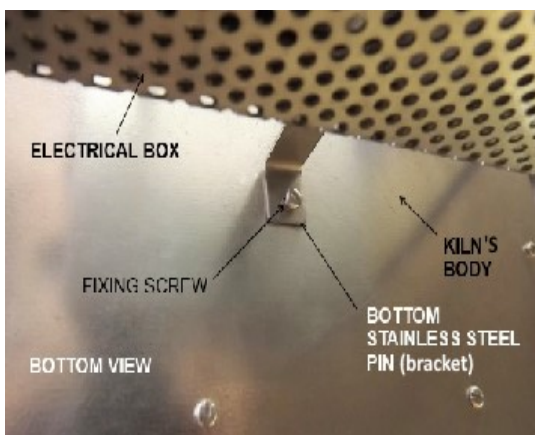
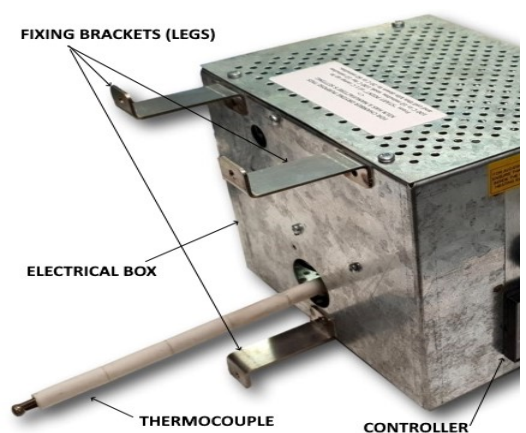


TECHNICAL SPECIFICATION:

MODEL:	R-6L	CALIBRATION:	YES
INPUT ON REQUEST:	115 or 230 V +/-10%	DOOR LOCK TYPE	TOGGLE CLAMP
POWER:	2,150 WATT / 9 A	MANUFACTURER WARRANTY:	1 YEAR
MAXIMUM HEATING TEMPERATURE:	1,240°C / 2,264°F	CHAMBER MATERIAL:	MUFFLE
ESTIMATED HEATING TIME TO 1,240°C:	150 MINUTES	VENTILATION SYSTEM:	DOOR'S HOLE WITH DAMPER
CONTROLLER TYPE:	PROGRAMMABLE TWO-LINES (CELSIUS)	CHAMBER DIMENSIONS MM (INCH):	150 (w) x 200 (d) x 210 (h) (6" x 8" x 8.1/4")
CONTINUOUS WORKING TIME AT 1,200°C+:	20 MINS	KILN DIMENSIONS IN MM (INCH) WITH ELECTRICAL BOX:	460 (w) x 360 (d) x 360 (h) (18" x 14" x 14")
ACCURACY OF TEMPERATURE SOAKING TIME:	+/-1 C	NET WEIGHT:	19 KG

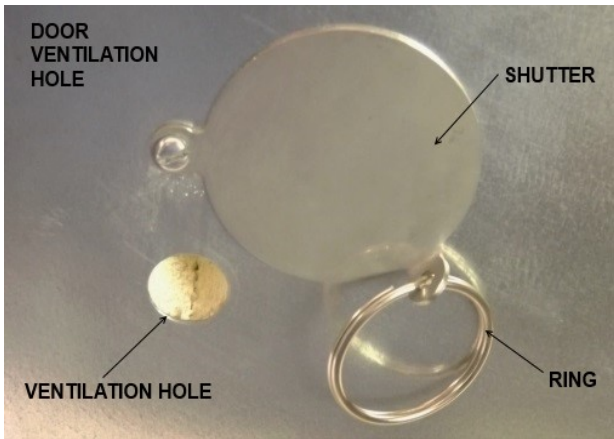
Pic. 3 BACK VIEW:**Pic. 4 CHAMBER VIEW:****HOW IT WORKS:**

THIS KILN WILL HAS 32-STEP (SEGMENTS) TEMPERATURE/TIME PROGRAMMABLE CONTROLLER THAT WILL ALLOW YOU TO PRE-SET UP TO 32 DIFFERENT TEMPERATURE/TIME PARAMETERS FOR TREATING ANY TYPE OF MATERIAL ON TEMPERATURES BELOW 1240 C.

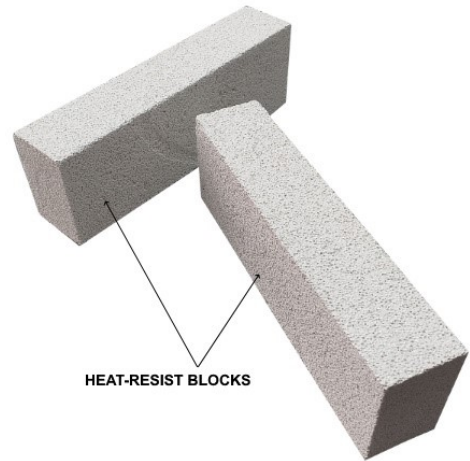
Pic. 5**Pic. 6****PREPARATION:**

- Remove the kiln from its original box.
- Put it on a heat-resistant worktop such as muffle blocks, metal stand, stones, bricks or ceramic tiles. Please note that the worktop should be very stable and be able to hold 30 kg of weight for your safety.
- Open the kiln's door and carefully take out all the parts, accessories and packing materials from the chamber.
- Then connect thermocouple to the electrical box (**Pic. 6**) as is explained on next page (**Pic.10**).
- After that start to fix this electrical box (**Pic. 6**) to the kiln's body. To do this, take the electrical box with 3 welded stainless-steel brackets (legs) and screw them to the body of your kiln by supplied screws as shown on **Pic. 5**.

Pic. 7

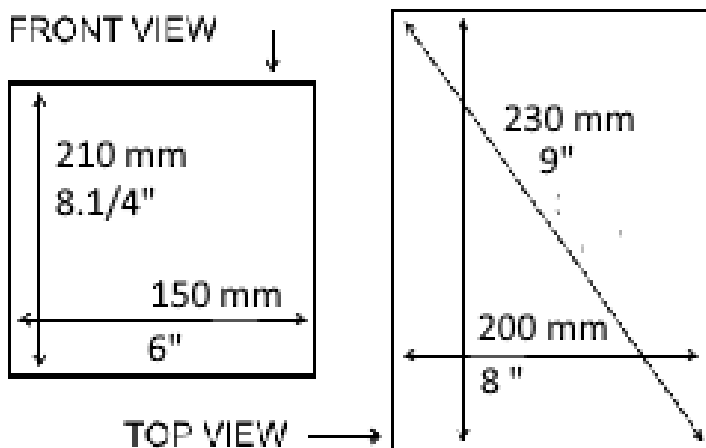


Pic. 8



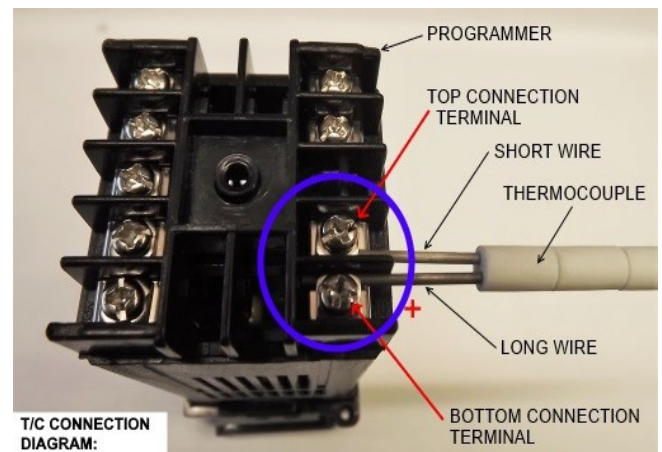
- ◆ Now your kiln is assembled. Close the shutter on the door (**Pic.7**) to avoid heat leaking out from inside the chamber. Connect the mains cable to a power supply and start your work.
- ◆ When using the kiln for the first time, it must be heated up to approximately 200°C (for 20 minutes) to allow any water to evaporate from the chamber. Please do not be alarmed if light smoke and/or a smell appears (when using the kiln for the FIRST time). This is normal for new kilns as any water, grease or oils burn out from the heating elements, shelves, chamber and from inside the kiln. It should not happen again after the first time it is heated. If your kiln is used less than once a month then please repeat this process each time you use it.
- ◆ Please also note that the temperature shown on the controller is the temperature around the thermocouple inside the kiln's chamber. You may have to wait up to one hour for the inside of your kiln to heat up fully and reach the same temperature everywhere inside the chamber.
- ◆ USEABLE CHAMBER DIMENSIONS: **Pic. 9** shows a FRONT AND TOP VIEW of the kiln's chamber (inner) dimensions.

Pic. 9



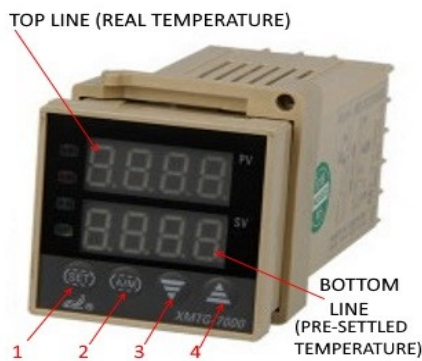
Pic. 10 (Behind electrical box view):

(CORRECT POSITION OF THERMOCOUPLE)



TEMPERATURE CONTROL (how to pre-set the required temperature/time):

The programmable temperature controller (XMTG-7000) is already settled up by the manufacturer for a chamber drying purpose if customer did not asked other setting. If you want to re-program this controller please refer to the controller's user manual or contact us for help on Skype. In any way you can find some useful tips on the controller below:



1. "SET" - setting/confirmation button. To be used for setting all controller's parameters.

2. "Arrow Left" or "A/M"- segment's selector (to choose any one from four segments).

3. "Arrow Down" - value decrement (Used to set up a required temperature).

4. "Arrow Up" - value increment (Used to set up a required temperature).

Example of program: From room temperature ramp up to 450 C for 99 minutes, soak this temperature 4 minutes and ramp down to room temperature for 145 minutes:

Open the door of your kiln for initiate the safety-switch mechanism for disconnecting a power supply from heating element/s and avoiding the kiln's heating during all re-programming process or just press button No:4 for 3 seconds until get on bottom line "Stop" sign. Now you can start re-programming your controller.

For starting programming short-press on "SET": you'll see on TOP line C1 (First segment from 32 segments total) and insert on BOTTOM line a room temperature (usually = 20 C) - 0020. Now press "SET" for remembering first segment' temp. parameter and go to next step «Г1» to pre-set required TIME for NEXT temperature parameter (0450 C). For this just insert on BOTTOM line using buttons 2-3-4, "0099" (minutes) and press SET again to remember this parameter as well and for getting on screen "C2". (second temperature parameter). As usually, using buttons 2-3-4 insert on bottom line "0450" and press "SET" again to go to next parameter "Г2" for pre-setting soaking time = 0004 (minutes). Press "SET" again to see "C3" for confirming on bottom line the required soaking temperature = 0450. Now press "SET" again for pre-setting («Г3») required time for ramping down temperature in your kiln to room temperature 20 C = 0145 (minutes) and press SET again for pre-setting the required room temperature: 0020. That's it. Now finish reprogramming by pressing on SET button again for inserting on bottom line "0000". Your program will be automatically finished as soon as last parameter will be reached.

A. When you finish re-programming the controller: short-click on the "SET" button or just leave this controller for about 30 seconds for remembering new setting and starting your work.

B. Close the kiln's door for disconnecting the safety-switch mechanism and allow your kiln to start heating up or press 3 second on button No:3 until get a sign "Run" if you pressed button 4 before.

C. Important: you'll have about 20-30 seconds to change EVERY segment. Please do not worry if you lose this time and controller re-starts to show you a real temperature inside the chamber. Just re-start the re-programming process by short-pressing on "SET" button for 3 seconds again. If you are a beginner and have difficulty to re-program your controller please feel free to contact the manufacturer or agent/shop for free help with this matter during all warranty period.

D. You can find detailed information about the controller settings and all his functions in the controller's user manual, but we do not recommend you to change the manufacture's setting yourself as it can cause loss of factory setting that may will require full re-setting and/or re-calibration of the controller in future that is not under warranty.

SAFETY INSTRUCTIONS and USEFUL TIPS FOR BEGINNERS:

- ⇒ For avoiding damages of heating elements that are NOT UNDER WARRANTY please make sure that any item(s) you place inside the chamber are not touching the heating element(s) even when the door is closed.
- ⇒ It is always best to conduct some tests on a small quantity of your firing material before you fire your item(s).
- ⇒ This kiln MUST be positioned on a level surface that will not be damaged by heat. A masonry or concrete floor is recommended, but other protective materials like muffle blocks, refractory bricks or ceramic tiles/sheet may be used. For a small additional charge this kiln can also be supplied with a set of two shelves and a metal stand to be placed on a heat-sensitive worktop.
- ⇒ Always make sure that the door is closed properly for the highest possible temperatures to be reached inside the chamber.
- ⇒ Always use heat-resistant gloves and long metal tweezers to remove or place item(s) from/into the kiln. Do not touch heating element by metallic tool or accessories!
- ⇒ This kiln should be kept away from all inflammable materials and other nearby heating devices.
- ⇒ When opening the door at temperatures higher than 200°C (392°F), always maintain as much distance as possible between you and the hot chamber. Please also wear dark glasses to avoid problems with your eyes.
- ⇒ Because of the high temperatures that this kiln can reach, you should never leave it unattended when it is in use.
- ⇒ Never touch this kiln's metal body and shutter on the door without gloves on as these can burn your hands.
- ⇒ KEEP OUT OF REACH OF CHILDREN.
- ⇒ Disconnect the kiln from its power supply when not in use.

WARNING:

This is an electrical, often extremely hot piece of equipment: always follow any applicable health and safety rules and regulations for electrical equipment and hot work in your country.

MADE IN THE UK

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