R-9 COMPACT MELTING FURNACE INSTRUCTION MANUAL

Do not use the furnace before reading these instructions.

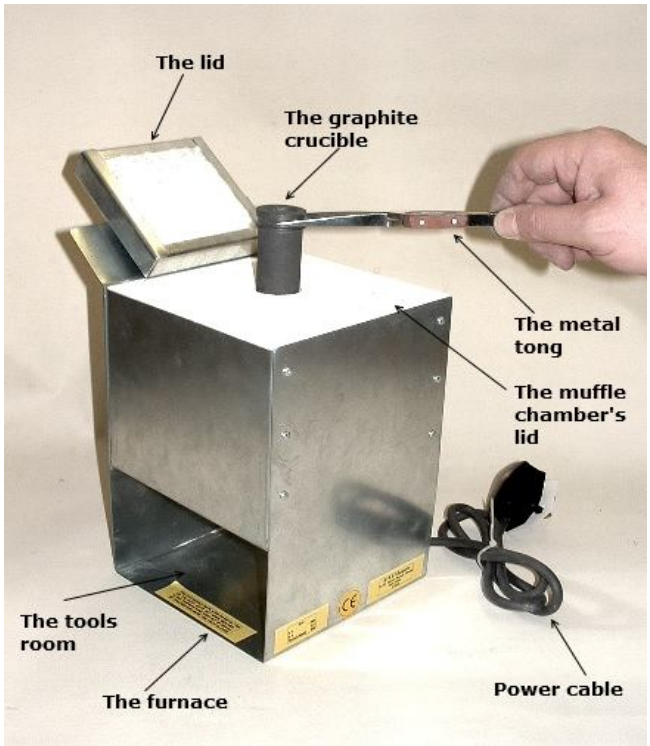
We test each furnace before we send it to our customers.

PRODUCT INTRODUCTION:

This is a compact electric melting furnace that is especially designed to melt small quantities of gold or silver. You can also melt small quantities of other types of metal that have a melting point up to 1100°C (2012 F) such as lead, aluminium, copper, nickel, brass etc. The R-9 furnace does not have a temperature regulator and reaches its maximum temperature in approximately 50-60 minutes.

TECHNICAL SPECIFICATION:

MODEL	R-9 UK / R9 USA / R9 EU
VOLTAGE / AMPERAGE	220V / 3.5A; 240 V / 2.8 A; 115V / 5.6A)
POWER	700 Watt
MAXIMUM HEATING T =	1100°C (2012°F)
WEIGHT	1.8 Kg
10-OZ EXTERNAL / INTERNAL GRAPHITE CRUCIBLE DIMENSIONS (MM)	40(d) x 60(H) / 20(d) x 50(H) for about 10 Oz of molten gold: (1 CUBIC.CM = 19.236 G OF PURE MOLTEN GOLD)
FURNACE DIMENSIONS (MM):	190 (W) x 150 (D) x 310 (H)
AVERAGE HEATING TIME (1000°C)	45 Min
MAXIMUM HEATING TIME	90 MINUTES



PREPARING THIS FURNACE FOR FIRST USE:

IMPORTANT: For *first time use,* please heat up the furnace for approximately 3-5 minutes to allow water to evaporate from the chamber and from inside of the furnace. Otherwise there is a risk of causing damage (small cracks) to the chamber. Let the furnace cool down before you start work. If the furnace is to be used for less than once per month repeat the process each time the furnace is used.

INSTRUCTIONS:

1. Remove the furnace from its original packaging.
2. Put the furnace on a heat resistant surface such as masonry, concrete or ceramic tiles.
3. Place the graphite crucible into a hole on the top of the furnace. Place the metal inside it. To speed up the heating process we can recommend cutting the metal in smaller pieces and covering the crucible by an additional GRAPHITE LID WITH A ROUND CAVITY (not supplied but is available on www.technicalsupermarket.com).
4. Close the metal lid carefully. PLEASE DO NOT PRESS instead places the lid on the crucible accurately.
5. Connect the furnace to the power source.
6. When the metal has melted open the lid and remove the crucible by using the metal tongs supplied.
7. Pour the molten metal to a GRAPHITE MOLD (not supplied, but is also available on www.technicalsupermarket.com).

HEALTH AND SAFETY INSTRUCTIONS:

- Always make sure that the lid is closed properly in order to speed up the heating process and to reach a high temperature inside the chamber.
- Always use heat resistant gloves when using this furnace.
- Keep out of reach of children.
- Never leave this kiln unattended when it is working.
- Never heat it up longer then 90 minutes. If your metal pieces doesn't melted for this time its mean that they are two big or you open the lid two often. Do not open the lid two often because each time you open the lid a temperature inside the crucible drops and it will require more time to re-heat.
- Always place on a heat resistant surface. A masonry or concrete floor is recommended, but other protective material like metal or ceramic top may be used.
- Never heat the graphite crucible longed then 7 hours in total. Due to a structure of graphite it can cause cracks to the crucible and a sudden leek of the molten metal inside the furnace. Spare standard graphite crucibles, graphite protector liquid and long-life metal crucibles are available 24/7 on www.technicalsupermarket.com.
- Danger: This is an electrical appliance so please always follow health and safety rules and regulations.

NOTE: **the kiln is an electrical appliance. DO NOT try to open or repair it yourself as you may get injured or damage the equipment.**