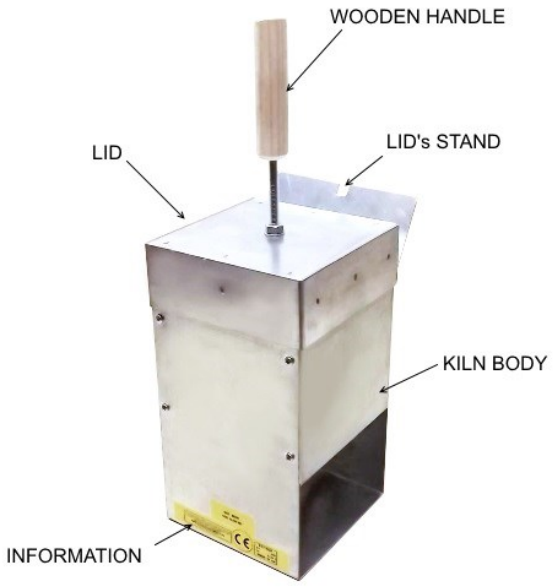
R9-4 COMPACT ELECTRICAL METAL MELTING KILN USER MANUAL

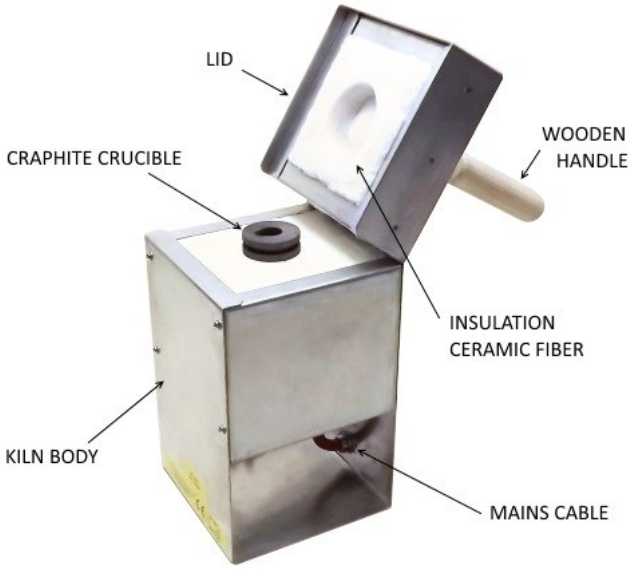
PRODUCT INTRODUCTION:

This electrical metal melting kiln is especially designed to melt down up to 4-OZ (125 Gram) of PURE gold or any other metal with CASTING point below 1100°C / 2012° F (such as lead, aluminium, copper, brass, bronze, tin, silver, gold and their alloys). This R9-4 kiln is not adjustable and will reach and hold the maximum temperature of 1120°C (2036°F) in about 50 minutes depending of quantity and size of metal pieces inside the graphite crucible: more metal (larger pieces) means more heating time.

Pic:1

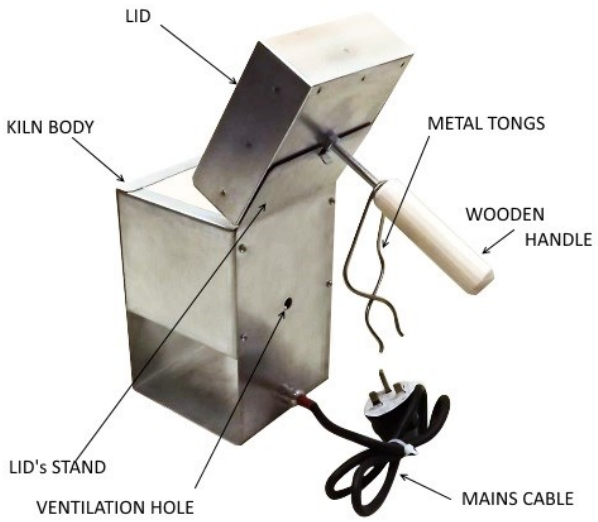


Pic: 2

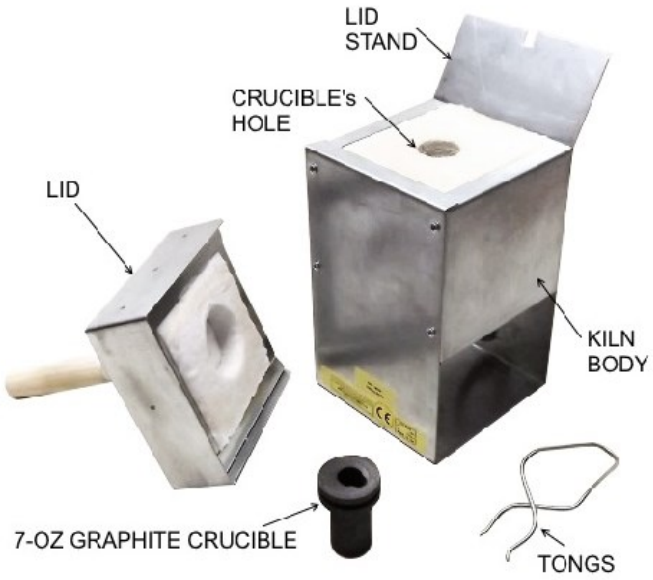


TECHNICAL SPECIFICATION:

MODEL:	**R9-4-1120C**	**ADJUSTED TEMPERATURE RANGE**	**0 C - 1120 C (32 F - 2036 F)**
INPUT:	**115/220/240V ON REQUEST**	**ACCURACY:**	**+/- 10 C (32 F)**
POWER:	**550 WATT**	**INSULATION MATERIALS:**	**MUFFLE & CERAMIC FIBER**
MAXIMUM TEMPERATURE:	**1120 C / 2036 F**	**CRUCILE WORKING CIRCLE (WITH A GRAPHITE PROTECTOR PAINT)**	**3-4 GOLD MELTING PROCESSES**
HEATING TIME TO 1100 C:	**50 MINUTES**	**CRUCIBLE EXTERNAL DIMS (MM):**	**TD=40; BD=32; HIGH=60**
MATERIAL OF CRUCIBLE:	**GRAPHITE MSSM**	**CRUCIBLE — HOLE DIMS (MM):**	**D=16; DEPTH= 50**
VOLUME OF CRUCIBLE :	**4-Oz (210 G) PURE GOLD**	**DIMESIONS OF KILN (NO LID):**	**150 X 150 X 240(H) MM**
CONTINUOUSLY WORKIN TIME:	**120 MINUTES**	**WEIGHT:**	**1.4 KG**



PIC: 3



PIC: 4

PREPAIRING FOR WORK:

- Remove the kiln from its original box/s.

- Put the kiln on a heat-resist work-top such as masonry, concrete, metal or ceramic tiles.

- Place 4-Oz graphite crucible into hole on the top of the kiln (Pic: 4).

- Insert small pieces of metal to be melted into this crucible: we recommend cutting your metal in small pieces (3-5 mm). Smaller pieces means more metal in crucible, less heating time and longer live of the graphite crucible.

- Close the graphite crucible by metal lid with edges around three sides. Please make sure that it is in correct position (edge-free side is behind) and cover the graphite crucible in full (Pic: 1).

- Now you can connect your kiln to a power source and start your work.

SAFETY AND USEFUL TIPS FOR BEGINNERS:

Always make sure that the lid is closed properly in order to speed up the heating process and to reach the required temperature inside the crucible.

Always work in heat-resist gloves because this kiln is very compact and going to be hot on high temperatures.

Do not open this lid two often. Each time you open the lid - temperature inside the chamber drops and it will require more time to re-heat.

Always place it on a heat resistant work-top. A masonry or concrete floor is recommended, but other protective material like metal or ceramic tiles will be useful as well.

If you do not use a graphite protector paint never heat the crucible continuously longer than 90 minutes. Due to a structure of graphite it will cause cracks to the crucible and a sudden leek of the molten metal inside the kiln. Standard gold melting process last just about 50-60 minutes. Spare standard graphite crucibles and a graphite protection liquid/paint for long-life of graphite crucibles are available at any time from your agent or manufacturer.

Never take hot graphite crucible by hand when lifting it up from its hole. For this purpose use only stainless steel tongs that supplied with the kiln.

FIRST TIME USE:

IMPORTANT: When using this kiln in first time please heat up this kiln for approximately 3-5 minutes to allow water to evaporate from the chamber and from inside of the kiln (slight odour and light smoke can be visible on the first heating). Otherwise there is a risk of causing small cracks on the top of chamber. Let the kiln cool down before you start work. If this kiln is to be used for less than once per month please repeat this process each time before re-use it.

DELIVERY SPECIFICATION:

R9-4 Oz pure gold metal melting kiln;

4-Oz (125 Gram) graphite crucible;

Metal tongs for the crucible;

User manual and useful information on DVD;

One year manufacturer warranty.

KEEP OUT OF REACH OF CHILDREN AND NEVER LEAVE IT UNATTENDED IN WORK

DANGER: This is an electrical, high temperature equipment: always follow all health and safety rules and regulations for an electrical equipment and hot-works in your country.

MADE IN UK