

DESCRIPTION

The kiln is built with a steel structure painted in fire with epoxy paints cooked at 180 °C.

The thermal insulation consists of ceramic fiber panels with a high alumina content, suitable for the operating temperature of the oven.

Heating is obtained with MOLYBDENUM DISILICIDE elements, which do not require protective atmospheres and do not give rise to processes affecting; in this way there is the advantage of a simple and safe operation of the kiln and a long life of the elements with the possibility of replacing even one without thereby altering the behavior of the others.

It is a mobile sole laboratory kiln, that is, the lower part of the oven where the material to be fired is placed moves vertically and when the material to be fired has been placed, by means of an appropriate mechanism, it will be raised and inserted in the lower part of the oven until it forms a whole with the kiln itself. In the same way, at the end of the cycle it will be dropped to remove the treated material.

Being a fusing kiln, the base where is placed the crucible is made round. On request it is also possible to realize a square section.

The process of use is as follows:

- The kiln is brought to working temperature
- The crucible is filled with the mixture to be melted
- The bottom of the oven is lowered
- With the special pliers the crucible is placed on the mobile sole
- The mobile sole is raised

Depending on the fusibility of the mixture, after a certain time the degree of fusion is verified by making the crucible go down and if not yet sufficiently melted it is made to rise again.

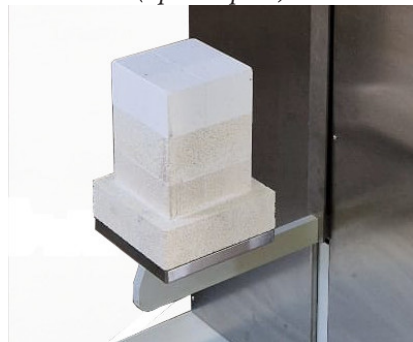
This operation is repeated until the merger is deemed right.

When it has been ascertained that the mixture is melted in the desired manner, with suitable pliers, the crucible is taken and the melted mass is poured into a container of water; this in the ceramic field.

The quantity of mixture that can be melted each time is about 600/1000 gr. obviously depends on the crucible model used and the specific weight of the mixture.

MAXIMUM LIFTING WEIGHT Kg. 35

detail of the square base
(upon request)



COMAND PANEL

Temperature and firing cycle control is entrusted to a Lumel RE 82 microprocessor programmer. With this type of programmer, a maximum of 15 programs can be configured and stored, each consisting of a maximum of 15 ramps.

Crucibles on request:

- code GIA00004
Ø 70/100
H mm. 90
- code GIA00005
Ø 70/100
H mm. 170
- code GIA00006
Ø 70/100
H mm. 140



TECHNICAL CHARACTERISTICS

Mod.	Vol [Lt]	Temp. max	Internal dimensions [mm]			External dimensions [mm]			Power kW	V + N	Weight [kg]
			Width	Depth	Height	Width	Depth	Height			
FFU-16	8	1600 °C	130	130	210	950	750	1920	4,5	230	240
FFU-18	8	1760 °C	130	130	210	950	750	1920	4,5		240

(all data are not binding, the manufacturer reserves the right to modify them)