

DESCRIPTION

It is an electric kiln built with a volume capacity of approximately 36 litres that can operate up to a maximum operating temperature of 1600°C.

Integrate into the same structure:

- a **kiln body**
- an **electrical control and power panel**

The **kiln body** is made up of:

- a load-bearing structure:
made of tubular steel and sheet metal painted with epoxy paints
It contains the power and management part of the heating elements and the control panel
- a kiln box:
built with a double sheet metal body¹
(stainless steel for the internal body, painted sheet metal for the external body)
Thermal insulation is made with high-quality ceramic fibers suitable for the maximum operating temperature.
The heating part is made up of 6 resistive elements in “molybdenum disilicide”.

Cooling is natural.
No exhaust chimney is provided.

An 80x80 mm opening is provided on the roof, suitable for the introduction of the mixing system.

¹ The double wall is ventilated to reduce the external temperature.
Especially useful during prolonged parking at high temperatures.

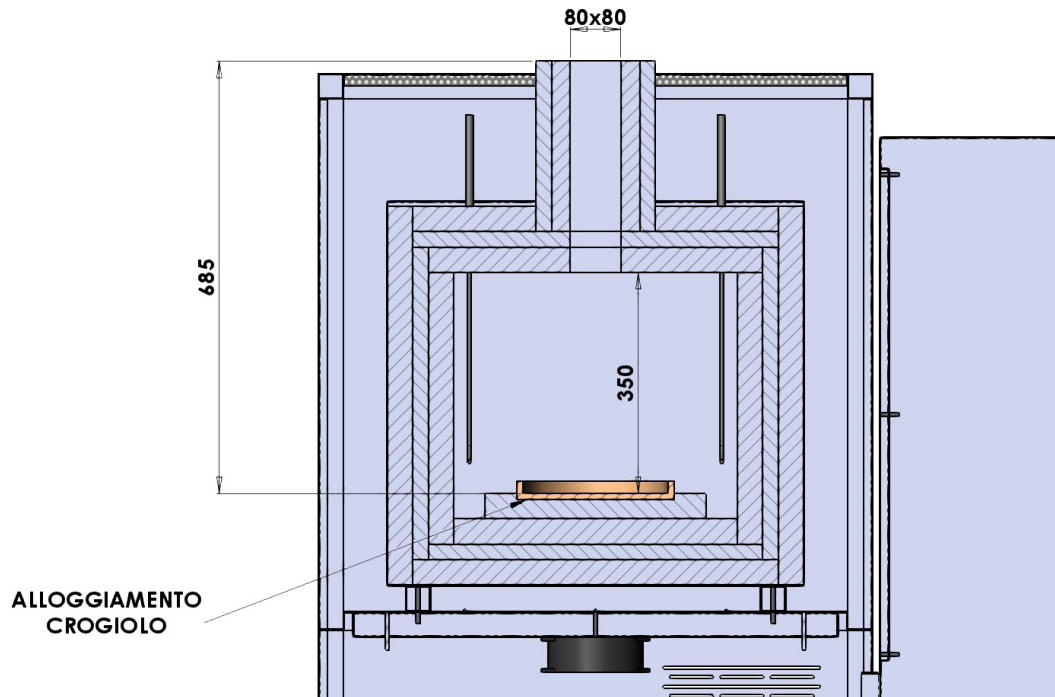
LONG STAYS (8 h) ARE PERMITTED AT A MAXIMUM TEMPERATURE OF 1500°C

**CONTROL PANEL
(on board)**



programmer for managing the cooking curve

Temperature and cooking cycle control is entrusted to a Lumel RE 82 microprocessor programmer.
With this type of programmer you can configure and store a maximum of 15 programs, each consisting of a maximum of 15 ramps.
(Communication RS 485)

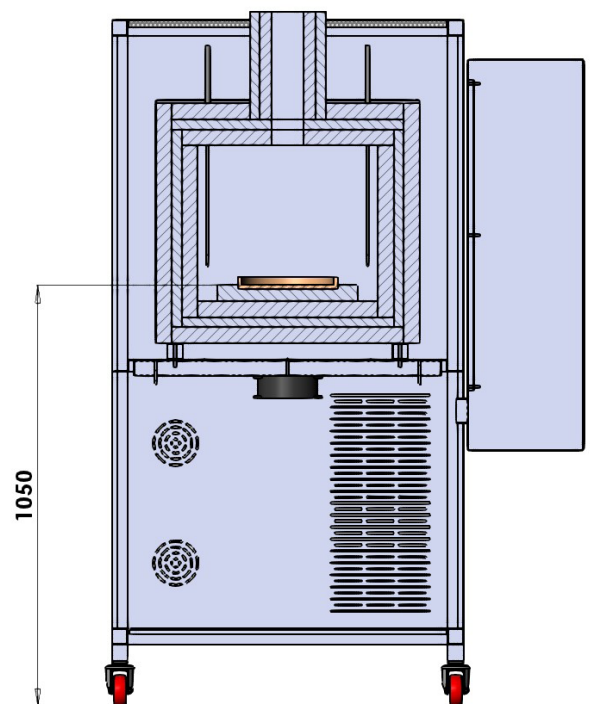


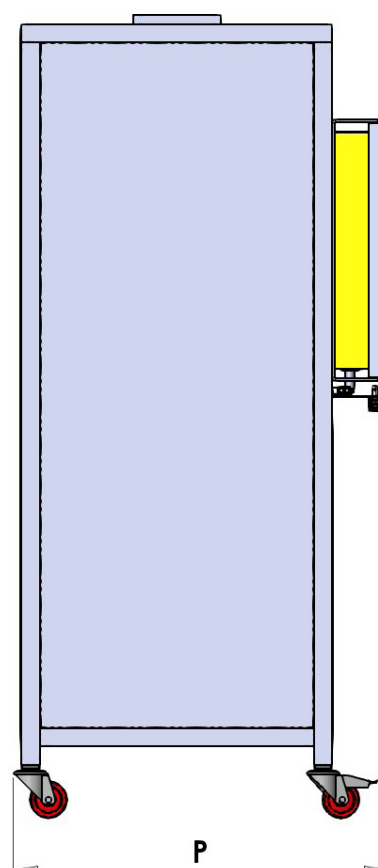
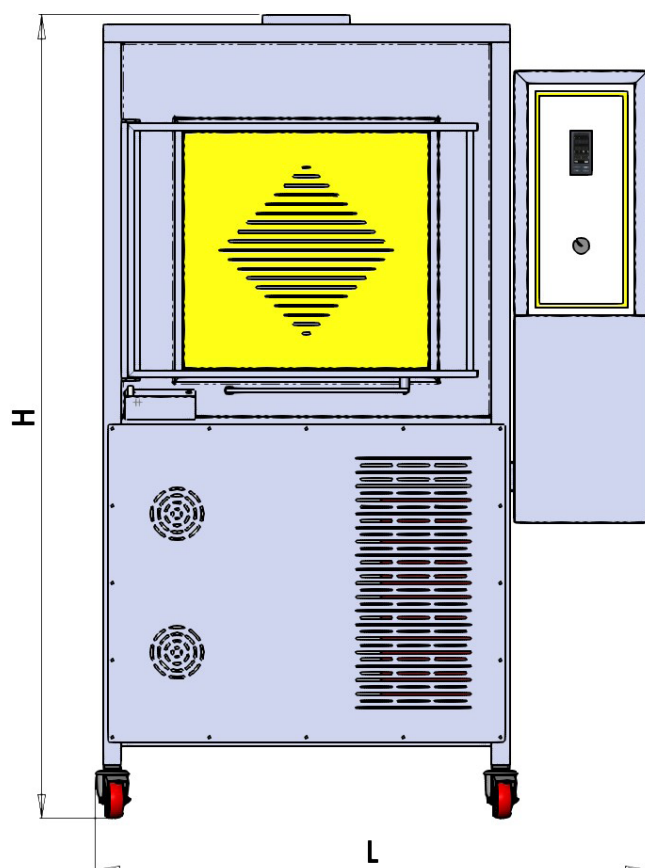
The bottom of the kiln, where the crucible is housed, is equipped with a refractory container to catch any liquid that may leak out.

The roof of the internal chamber features an 80x80 mm opening to allow the mixing system (not included) to pass through. There is no sealing cap; the user must provide one.

TECHNICAL SPECS

- fire-painted steel structure
- internal casing (kiln chamber) in stainless steel
- cubic section cooking chamber (volume approximately 36 liters)
- interchangeable crucible support base
- high-quality ceramic fiber thermal insulation for high temperatures
- n° 6 molybdenum disilicide resistors Le.350 mm
- control panel equipped with programmer
- thermocouple for kiln management, type R
- static unit for managing MoSi₂ resistors
- temperature uniformity $\pm 3^{\circ}\text{C}$ throughout the chamber





TECHNICAL FEATURES

Model	Max temp.	Internal dimensions [mm]			External dimensions [mm]			Power kW	Tension 3fs+N+T [V]	Weight [kG]
		w	d	h	W [L]	D [P]	H [H]			
GFHTK.LS-36/16	1600 °C	350	300	350	1150	900	1690	20	400	420

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

OPTIONAL

- PC management software:
 - ability to store up to 15 recipes
 - possibility to set up to 15 ramps for each recipe
 - ability to program date and time to automatically start a recipe
 - possibility of recording the temperature trend in real time during the cooking cycle