

model LKN series VAC

DESCRIPTION

It is a series of electric kiln used in the thermal processes of metallurgical, chemical, dental and ceramic laboratories.

They have been designed to obtain the best compromise between the heating speed and the operating life of both the resistances and the thermal insulation.

The combination of preformed ceramic fiber panels, low density refractory bricks, and high quality resistances, allow these ovens a very rapid rise in temperature and cooling, thus having great advantages in working with intermittent ovens.

It is built with a double-walled body with additional free air cooling to keep the external temperature low.

The structure in fire-painted steel with epoxy paints, and support feet with rubber base, make the ovens of the LKN-VAC series compact, light and that can be placed on any laboratory table or bench.

The heating part is made up of "molybdenum disilicide" resistors.

COMAND PANEL



The temperature and firing cycle are controlled by a Lumel RE 82 microprocessor programmer.

With this type of programmer it is possible to configure and memorize a maximum of 15 programs each consisting of a maximum of 15 ramps.

The kiln is equipped with special seals to be able to perform a minimum vacuum and to keep the gas inside the firing chamber.

The management of the cycle and controlled atmosphere with inert gases is entrusted to a programmer (LUMEL RE82) through which you can set the firing curve and the ramps where you want the gas to enter.

The gas inlet is preceded by the intervention of a vacuum pump which allows, by removing the air from the firing chamber, the optimal saturation with the gas inside the oven.

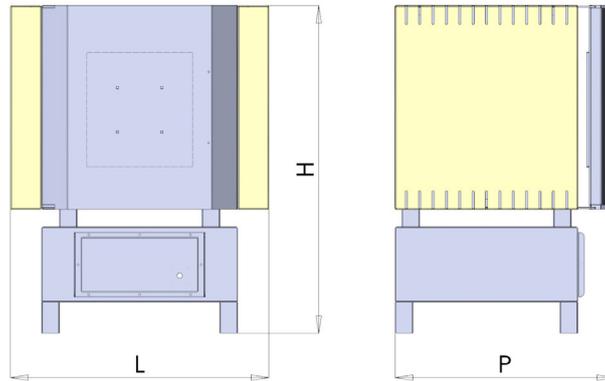
A manual rotameter allows the regulation of the gas flow that has to be introduced, in particular when the treatment in gas current is required and not in a saturated and static environment.

The gas can be introduced at a maximum pressure of 0.1 bar

The kiln can be used allowing the chamber to be saturated or in "flushing" mode with the gas entering and leaving the oven.

A tap allows saturation in the vertical position (tap closed), otherwise placed in a horizontal position (tap open) allows the gas to escape and therefore to operate in flushing mode.




TECHNICAL CHARACTERISTICS

Mod.	Temp. max °C	Internal dimensions [mm]			External dimensions [mm]			Power kW	V + T	Weight [kG]
		Width [l]	Depth [p]	Height [h]	Width [L]	Depth [P]	Height [H]			
LKN-74 VAC	1100	160	160	130	550	600	800	2	230	100
LKN-75 VAC	1300	160	160	130	550	600	800	2	230	100
LKN-76 VAC	1350	160	160	130	550	600	800	2	230	100
LKN-77 VAC	1500	160	160	130	710	810	970	4	230	140
LKN-78 VAC	1600	160	160	130	710	810	1100	4	230	160
LKN-84 VAC	1100	200	300	160	590	740	830	4	230	125
LKN-85 VAC	1300	200	300	160	590	740	830	4	230	125
LKN-86 VAC	1350	200	300	160	590	740	830	4	230	125
LKN-87 VAC	1500	200	300	160	750	950	1000	6	230	165
LKN-88 VAC	1600	200	300	160	750	950	1130	6	230	185

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

OPTIONAL

- PC management software
- introduction of gas by a digital flow meter with specific software for PC management