



INDUSTRIAL OVEN

Static oven for cycles
of Vulcanization Elastomer





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This oven has been studied to satisfy the technical specifications for the **post-curing** treatment of elastomer materials such as NBR, silicone, Viton, etc. that require temperature precision, homogeneity and absolutely air exchange.

The FG oven is made of an entirely stainless steel chamber, a group of armoured electric resistances in stainless steel, a motor for ventilation and an electric panel with an electronic programmer capable of storing desired work cycles. The door seals are made of fiberglass for high temperatures ensuring excellent sealing.

Characteristics

The oven is characterized by the numerous characteristics that allow to improve the post-curing process.



Internal flaps
for adjusting the air flow



Heat exchanger
allows considerable energy savings



Motorized door



Control and regulation of incoming air



ORS safety valve
for oxygen reduction, installed on both incoming and outgoing pipe



Siemens PLC thermoregulator
improves control and temperature regulation

Optional



Shelves and trolleys
they facilitate handling. The removable shelves allow you to easily position materials to be treated



Rotating basket
steel trolley with a rotating basket. Recommended for obtaining flatness of O-Rings and flat gaskets.



Cooling station
both for deck and trolleys with a rotating basket, it allows quick cooling of materials, freeing the oven for new production cycles.



Basket with rods
steel trolley with a rotating basket. Recommended for obtaining the flatness of O-Rings of larger dimensions.

Technical data of some models

Model	Internal volume (l)	Internal dimension (cm)	Static Trolley (shelves/m ²)	Rotating Trolley (lit.)
FG-MINI	800	92 x 71 x 114	9 / 4 m ²	200
FG-S	2.200	125 x 130 x 161	12 / 12 m ²	650
FG-N	3.000	111 x 150 x 182	14 / 14 m ²	600
FG-L	3.400	127 x 150 x 182	14 / 18 m ²	850
FG-XL	4.900	174 x 150 x 182	28 / 27 m ²	1.700
FG-XL-MAXI	7.400	177 x 200 x 217	32 / 62 m ²	2.500

WHAT MAKES OUR OVEN RANGE UNIQUE

HOMOGENOUS TEMPERATURE

Air flow management to obtain differences in temperature even better than 5 degrees.

O.R.S VALVE

Security valve for the reduction of oxygen in the chamber. It reduces the risk of a fire

SAFE USE

The interior of the chamber is completely "sealed" and doesn't allow the fumes to pollute the insulation.

PLC SIEMENS

The electric panel allows you to:

- have under control all the temperature parameters.
- interface and control the oven through a PC.
- record time/ temperature graphs

EXCHANGER HEAT

It allows to pre-heat the incoming air by 30/50 °C, reducing energy consumption and condense the outgoing fumes.

H.E.P.A. FILTERS

Where it's necessary to treat food or medical material, we filter incoming air through absolute filters.

AIR EXCHANGE

The post-curing of silicone requires a lot of attention for the exchange of fresh air, we can manage the correct quantity air with respect of the kg of the treated material.

Our Ovens



Static Oven for Elastomer Vulcanization

Oven studied for the treatment of post-curing of elastomer materials such as NBR, Silicone, Viton, etc.

Max temp. 200/300 °C



Rotating Oven for Elastomer Vulcanization

Oven studied for the treatment of post-curing of elastomer, such as O-ring, for which flatness is required.

Max. temp. 300 °C



Sintering Oven PTFE

Oven studied for the specific application of sintering treatments on PTFE polymers.

Max. Temp. 450 °C



Pre-heating Oven Moulds

Oven designed to hold the moulds before being installed on the press.

Max. Temp. 200 °C

WE ARE ABLE TO PROVIDE **MADE TO MEASURE** OVENS STUDIED TO SATISFY YOUR NEEDS



We have specialised for 20 years in the supply and consultancy
of scientific instrumentation for quality control and R&D laboratories.

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