

Power, performance, efficiency



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[www.france-etuves.com](http://www.france-etuves.com)

# RANGE **XXL**

## INDUSTRIAL OVENS

# INDUSTRIAL OVENS **XXL** up to **200°C**

Industrial ovens XXL are designed for easy loading of your products, no weight limit !  
For all applications of curing, polymerization, coating, heating, drying, vitrification, stabilization ...

## The excellence in the industrial oven

Internal and external sheets made of steel. Modern design. White and blue epoxy paints.  
Reduced energy consumption. Rapid heating-up.  
Simplified calibration with the Ø20mm access port on the left side.

## An amazing temperature homogeneity!

An exclusive ventilation system: air is sucked in the top part, heated then blown from the bottom back part. The fan is located on the top part.  
Heating elements are ideally placed in the air flow.

## An adjustable air change.

Controlled by a button on the front.

## Work safely.

Protection class 3.1 and 2.  
Heating is cut off in case of failures, overloads and overheating.  
Visual alarms.  
Inner handle from the XXL03 model.



XXL08



## An accurate and efficient temperature control.

C3000 PID electronic controller. Extremely easy to use. Precision: 0.1°C.  
Measurement by PT100 probe. Functions: delayed start, heating-up ramp, end cycle timer, repeat loop.

## An easy loading no weight limit.

The floor is a front-beveled thin sheet.

**9 volumes**  
from 1000 liters  
to 15000 liters



XXL01

XXL02.7

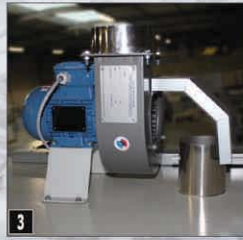
## OPTIONS



1 Door with viewing windows



2 Fan speed controller



3 Air outlet extractor



4 Air cooling extractor



5 Digital weekly program timer



6 Cycles profiler 4 prog. 16 segments



7 Profiler+digital recorder 3 channels



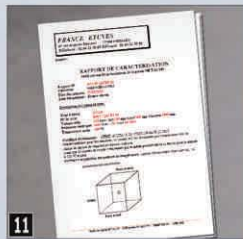
8 Oven process control system



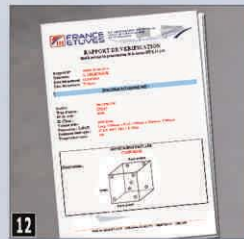
9 Access port Ø 60mm



10 Vacuum port / Thermocouple plug



11 Factory calibration 1 point



12 Homogeneity control 9/15 points

## ACCESSORIES



1 Paperless recorder 2 channels



2 Portable paperless recorder with graphic screen 4 or 6 channels



3 Thermocouple J sensor



Temperature extension max. 300°C

- 1 **Door with viewing windows**  
To see and control the contents of the oven.
- 2 **Indoor fan speed controller**  
Adjusts the speed of the air fan.
- 3 **Air outlet extractor**  
Evacuates the exhaust air into a duct system.
- 4 **Air cooling extractor**  
Enables cooling the temperature in the volume. Started by switch.
- 5 **Digital weekly program timer**  
Set times of operation of the oven for each day of the week. Ventilation is stopped only when the oven temperature has fallen to 80°C to prevent damage to the fans.
- 6 **Cycles profiler 4 programs with 16 segments each**  
Ideal if you need to heat at different temperatures during your process or provide gentle temperature drops.
- 7 **Profiler + digital recorder 3 channels**  
Allows the creation of temperature programs and to record those measured. With USB and RJ45 plugs.
- 8 **Oven process control system**  
Allows full and secure control of your oven. PC with large touch screen, easy to use. All data is stored and available from any computer on the network.
- 9 **Entry port Ø60mm. Centered on the left side.**  
Allows the passage of cables or sensors.
- 10 **Indoor simple vacuum port**  
Passage for the pipe on the side ; connecting nipple and valve outside of the oven.  
**Indoor controlled vacuum port**  
Quick connect self-sealing AEROVAC. Measurement and regulation of the vacuum.  
  
**Plug for thermocouple J probe**
- 11 **Factory calibration certificate for 1 temperature at 105°C, 150°C or 200°C.**  
Measurement in center of chamber.  
According to FD X 15-140.
- 12 **Homogeneity control certificate for 1 temperature at 105°C, 150°C or 200°C.**  
Measurement at 9 or 15 points in the working chamber.  
According to FD X 15-140.

- 1 **Paperless recorder 2 channels**  
Saves the temperatures measured by two mobile sensors.  
  
**Data acquisition software for recorder 2 channels**  
Can retrieve stored data.

- 2 **Portable paperless recorder with graphical screen 4 or 6 channels**  
Large graphical display for real time monitoring of temperature changes. With USB and RJ45 plugs, and 4 or 6 connectors for mobile sensors.

- 3 **Thermocouple J length 3m with connector**  
Accessory for recorders.

## TECHNICAL DATA

	XXL01	XXL01.5	XXL01.8	XXL02.7	XXL03	XXL04.5	XXL08	XXL12	XXL15
Working volume (L)	1000	1500	1800	2700	3000	4500	8000	12000	15000
<b>DIMENSIONS</b>									
Internal width (mm)	1000	1000	1000	1000	1500	1500	2000	2000	2500
Internal depth (mm)	1000	1000	1000	1800	1500	2000	2000	3000	3000
Internal height (mm)	1000	1500	1800	1500	1500	1500	2000	2000	2000
External width * (mm)	1560	1560	1560	1560	2059	2059	2559	2559	3059
External depth * (mm)	1530	1530	1530	2370	2078	2578	2578	3600	3600
External height * (mm)	1430	1850	2340	2022	2134	2134	2665	2720	2800
Weight, empty (kg)	500	620	680	685	980	1085	1300	1544	2500
Number of door(s)	1				2				
<b>PERFORMANCES</b>									
Temperature range (°C)	Ambient temperature + 20°C up to 200°C								
Temperature fluctuation (+/- °C)	< 0.2								
Homogeneity at 105°C (+/- °C) **	< 2.5								
Number of air inlet / Diameter (mm)	1 / 80			1 / 100			1 / 125		
Number of air outlet / Diameter (mm)	1 / 80			1 / 100			1 / 125		
Maximum rate of air exchange (m³/h)	150-200	200-300	250-350	250-350	300-450	300-450	450-600	450-600	500-650
Total ventilation rate (m³/h)	1800	2500	2800	3250	4000	4000	6000	8000	12000
<b>ELECTRICAL DATA</b>									
Heating power (kW)	12	15	18	21	24	27	36	45	54
Total installed capacity (kW)	12.9	16.5	20.5	22.6	26.8	29.8	39.8	51.1	62.6
Electrical supply (W)	400V 3P + PE, 50Hz								
Amperage connection (A)	25	25	40	40	40	50	63	80	100

\* Some options may change the dimensions of the oven

\*\* According to FD X 15-140

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