

Power, performance, efficiency



www.france-etuves.com

XXL RANGE

INDUSTRIAL OVENS

INDUSTRIAL OVENS **XXL** up to **200/300 °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 Ø 20mm access port on the left side.

An adjustable air change.

Controlled by a button on the control panel.

An amazing temperature homogeneity !

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

Work safely

Protection classes 3.1 and 2. Heating is cut off in case of failures, overloads and overheating. Visual alarms.
Stop fan and heating when the door is opened.



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.



XXL01

XXL02.7

XXL04.5

OPTIONS



2 Door with viewing window



3 Internal lighting



4 Fan speed controller



5 Digital weekly program timer



6 Temperature profiler



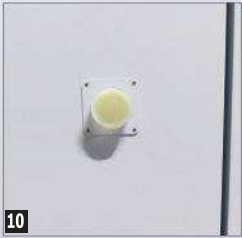
7 Temperature profiler and recorder



8 Touch screen controller



9 Oven process control system



10 Access port Ø 60mm



11 Thermocouple plug



12 Simple vacuum port



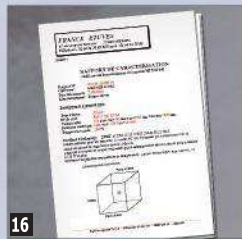
13 Controlled vacuum port



14 Air outlet extractor



15 Air cooling extractor



16 Factory calibration 1 point



17 Homogeneity control 9/15 points

ACCESSORIES



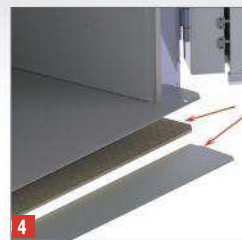
1 Data logger with 2 channels



2 Portable paperless graphic recorder



3 Thermocouple J probe



4 Insulation plate + access ramp

1 Temperature extension max. 300°C

2 Door with viewing window

3 Internal lighting

4 Fan speed controller

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 Temperature profiler

4 programs with 16 steps each. To heat at different temperatures during your process.

7 Temperature profiler and recorder

Large graphical display. Real-time monitoring of temperatures. Allows the creation of programs. Record the temperature measured. 3 extra channels. With USB and RJ45 plugs.

8 Touch screen controller

Real-time temperature display, simplified alarms management, safety settings and display of possible faults.

9 Oven process control system

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.

10 Access port Ø 60 mm

Centered on the left side. Allows the passage of cables or sensors.

11 Plug for thermocouple J probe (x8)

12 Simple vacuum port

Connector inside. Manual external valve for vacuum.

13 Controlled vacuum port (x4)

Plugs for vacuum and measurement. Self-sealing quick connect. Solenoid valve outside. Check the pressure on the ramp and on each plug.

14 Air outlet extractor

Evacuates the exhaust air into a duct system.

15 Air cooling extractor

Enables cooling the temperature in the working volume at the end of the cycle.

16 Factory calibration certificate

1 temperature (105°C, 150°C or 200°C). Measurement in the center of the working chamber (according to FD X 15-140).

17 Homogeneity control certificate

1 temperature (105°C, 150°C or 200°C). Measurement at 9/15 points in the working chamber (according to FD X 15-140).

1 Data logger with 2 channels

Saves the temperatures measured by two mobile sensors.

Software for data logger with 2 channels

Can set data logger and retrieve stored data.

2 Portable paperless graphic recorder

Full color screen display. Real monitoring of temperature changes. With USB and RJ45 plugs, and 4 or 6 connectors for mobile sensors.

3 Thermocouple J probe length 3 m

With plug. Accessory for recorders.

4 Insulation plate + access ramp

Protects your floor from heat.

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
SIZES									
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)	1465	1465	1555	1560	2059	2059	2559	2559	2900
External depth* (mm)	1538	1538	1535	2370	2078	2578	2578	3576	3607
External height* (mm)	1431	1988	2299	2022	2134	2134	2665	2798	2855
Weight, empty (kg)	470	625	700	685	980	1085	1300	2627	3500
Number of door	1				2				
PERFORMANCES									
Temperature range (°C)	Ambiant temperature + 20°C up to 200°C (300°C optional)								
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		
Rate of air exchange (m ³ /h)	150-200	200-300	250-350	250-350	300-450	300-450	450-600	450-600	500-650
Total ventilation rate (m ³ /h)	1800	2500	2800	3250	4000	4000	6000	8000	12000
ELECTRICAL DATA									
Heating power (kW)	12	15	18	21	24	27	36	45	54
Total installed capacity (kVA)	12.9	16.5	20.5	22.6	26.8	29.8	39.8	51.1	62.6
Electrical supply	400V ~3P 50Hz								
Amperage connection (A)	20	25	32	40	40	50	63	80	100

* Some options may change the oven's sizes

** According to FD X 15-140

store.france-etuves.com



 **FRANCE
ETUVES**
Ovens Designer & Manufacturer

65/67 rue Auguste Meunier
77500 Chelles, FRANCE

T : +33 1 64 21 30 60

F : +33 1 64 21 30 86