

**XL** up to **200°C/300°C** optional



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# **XL RANGE**

## INDUSTRIAL OVENS

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XL ovens are suitable for processes requiring a powerful airflow and air change. For all intensive drying applications, heating, polymerization, ... or any other thermal test.

## A robust construction.

External sheets made of steel. White and blue epoxy paints. Inner casing made of stainless steel corrosion-resistant. Simplified calibration with the Ø 20mm access port on the left side. Thick insulation asbestos free : excellent thermal stability, low heat loss, energy cost reduced, low surface temperatures.

## A wonderful adjustable air change.

Large inlet and outlet air. The various clearances are removed effectively. Adjustable exhaust air flap. The output is connectable to an extraction system.

## A powerful vertical airflow for an amazing temperature homogeneity !

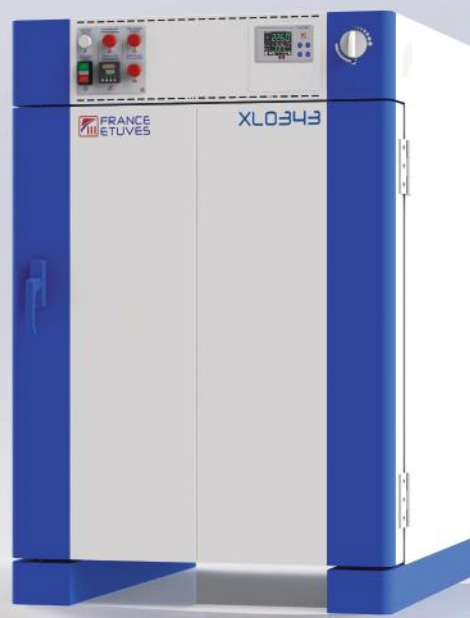
An exclusive ventilation system : air is sucked in the upper part of the oven. Then, it is heated and blown from the bottom back part

## An accurate temperature control.



C3030 PID electronic controller. Easy to use. Precision : 0.1°C. Measurement by PT100 or thermocouple sensor. 1 program with 8 steps max (4 programmable heating-up ramps and 4 temperature maintenance levels with timer).

Display of the setpoint and measured temperature, and the heating power used. Monitoring of your current program. Pause or stop the program. Delayed start, repeat loop. PID adjustment. Temperature correction at 2 distinct temperatures (offsets). RS485 modbus multipoints communication to control several ovens on the same network.



## Loading shelves

2 shelves provided with anti-tilting guide bars. Multiple levels of loading.

## A surprising heating power.

A rapid rise in temperature.

## Protections for your oven and your products.

Mechanical thermostat with reset button (class 1) and adjustable electronic thermostat (class 3.1) . The heating is stopped in case of overheating. Visual and audible alarm. Fan and heating stop at door opening.



XL0112

XL0343

XL0490

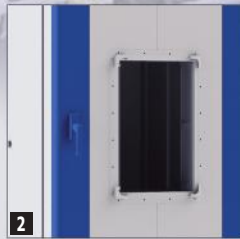
XL0686

XL0980

## OPTIONS



**1** Temperature extension 300°C



**2** Door with viewing window



**3** Fan speed controller



**4** Air outlet extractor



**5** Air cooling extractor



**6** Digital weekly program timer



**7** Temperature profiler



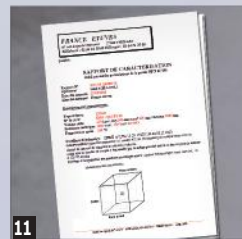
**8** Temperature profiler and recorder



**9** Internal lighting



**10** Entry port Ø 60 mm



**11** Factory calibration 1 point



**12** Homogeneity control 9 points

## ACCESSORIES



**1 2** Shelf with guide bars



**3** Recovery tray



**4** Subframe with feet



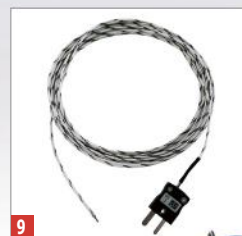
**5** Subframe with castors



**6** Data logger



**8** Portable paperless graphic recorder 4 or 6 channels



**9** Probe

**7** Software



**XL1000**



**XL1400**



**XL1800**

**1** Temperature extension max. 300°C

**2** Door with viewing window  
To see inside of the oven.

**3** Fan speed controller  
Adjusts the speed of the air fan.

**4** Air outlet extractor  
Evacuates the exhaust air into a duct system.

**5** Air cooling extractor  
Enables cooling the temperature in the working volume at the end of the cycle.

**6** 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.

**7** Temperature profiler  
4 programs with 16 steps each.  
Allow you to heat at different temperatures during your process or provide progressive temperature decreases.

**8** Temperature profiler and recorder  
30 programs with 25 steps each.  
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.

**9** Internal lighting  
With switch on the control panel.

**10** Entry port Ø 60 mm  
Centered on the left side.  
Allows the passage of cables or sensors.

**11** Factory calibration certificate  
1 temperature (105°C, 150°C or 200°C).  
Measurement in the center of the working chamber.

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

**1** Shelf with guide bars  
Max. distributed loading : 30 kg.

**2** Or reinforced shelf : max. distributed loading 60 kg.  
Anti-tilting guide bars.

**3** Recovery tray  
Stainless steel, height : 20 mm. Protects the floor of the oven.

**4** Subframe with feet / with castors  
**5** (Except XL1400 et XL1800). Elevates the oven for an easier loading. 2 castors with brake.

**6** Data logger with 2 channels  
Saves the temperatures measured by two mobile sensors (not included).

**7** Software for data logger with 2 channels  
Can set data logger and retrieve stored data.

**8** 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.

**9** Thermocouple J probe  
Length 3 m, with plug. Accessory for recorders.

## TECHNICAL DATA

	XL0112	XL0343	XL0490	XL0686	XL0980	XL1000	XL1400	XL1800
Working volume (L)	112	343	490	686	980	1000	1400	1800
<b>SIZES</b>								
Internal width (mm)	500	700	700	700	1000	1000	1000	1000
Internal depth (mm)	450	700	700	700	700	1000	1000	1000
Internal height (mm)	500	700	1000	1400	1400	1000	1400	1800
External width* (mm)	751	951	951	1180	1480	1480	1480	1480
External depth* (mm)	943	1192	1192	1221	1221	1521	1540	1541
External height* (mm)	1166	1350	1650	2050	2061	1661	2063	2463
External height with sub-frame option*	1792	1839	2058	2210	2251	2050	-	-
Floor height with sub-frame option	850	700	600	400	400	600	-	-
Weight, empty (kg)	141	225	268	364	432	382	540	620
Number of door(s)	1	1	1	1	1	1	1	1
<b>PERFORMANCES</b>								
Temperature range (°C)	Ambient + 20°C up to 200°C (300°C optional)							
Controller temperature fluctuation (+/- °C)	< 0.2							
Fan air flow (m <sup>3</sup> /h)	1100	1400	1400	1400	2000	2000	2500	2500
Ø air inlet and hot air outlet (mm)	63	80	80	80	80	80	100	100
<b>ELECTRICAL DATA</b>								
Heating power (W)	3000	6000	6000	9000	12000	12000	15000	18000
Total installed power (VA)	3428	6816	6816	9954	12954	12954	16402	19402
Power	230V ~1P 50Hz		400V ~3P +N 50Hz					
Amperage connection (A)	16	16	16	16	20	20	25	32
<b>SHELVES</b>								
Maximum number	8	11	17	24	24	17	24	30
Maximum load per shelf / in the oven (kg)	30 / 100	30 / 180	30 / 180	30 / 200	30 / 240	30 / 240	30 / 280	30 / 320
Shelves sizes (LxP) (mm)	470x420	670x670	670x670	670x670	970x670	970x970	970x970	970x970

\* some options may change the sizes of the oven



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**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