

Reliability, precision, efficiency



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XFL RANGE

VACUUM OVENS - up to 1 mbar

VACUUM OVENS **XFL** up to **200°C** and **1 mbar**

XFL vacuum ovens are suitable for sensitive product drying applications, outgassing, thermal treatments of oxidizable materials, quick drying of powders and granulates...

Robust construction for lasting performances.

Exterior made of steel coated with blue and white epoxy paints.
Inner casing made of stainless steel, corrosion resistant.
Sealing guaranteed. Rounded corners for easy cleaning.
Low energy consumption. Rapid temperature rise.



An accurate and efficient temperature control.

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

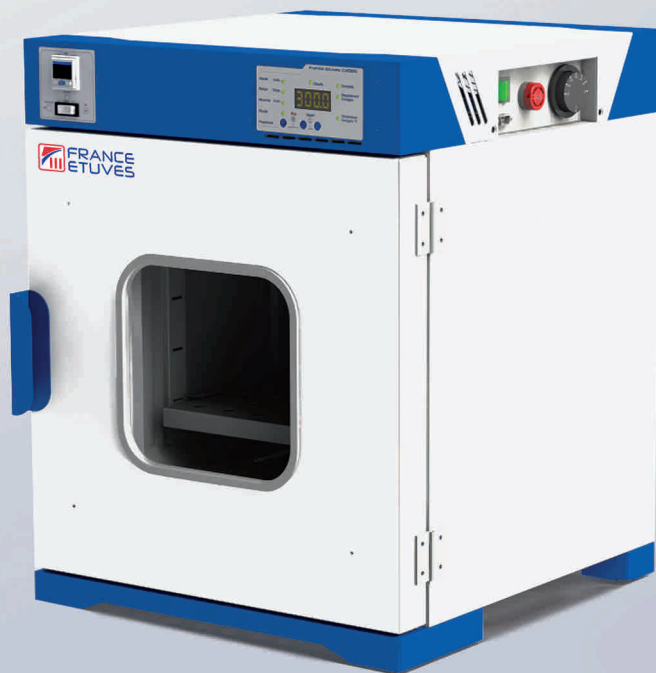
The oven control possibility with a PC by a RS232 cable.

A reliable vacuum control.

Digital display of the internal pressure. Resolution to mbar.
Piezoelectric sensor. Connecting the vacuum pump at the back of the oven.

Work safely.

Adjustable safety thermostat. Protection class 3.1. Visual and audible alarm.
It cuts heating and it supports the temperature control in case of failures.



Easy loading and unloading.

1 tray provided. Perforated trays in stainless steel with anti-tilting guide bars.
Multiple load levels.

An efficient heating.

Heating is ensured by heating elements located on outer faces of the inner casing in order to ensure the best homogeneity.

5 volumes
from 20 liters
to 512 liters



XFL020

XFL050

XFL120

OPTIONS



2 Pressure controller



3 Vacuum profiler

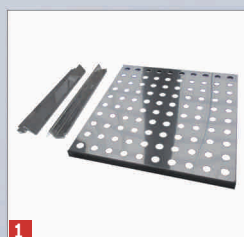


4 Temperature profiler



5 Temperature + vacuum profiler and recorder

ACCESSORIES



1 Tray with guide bars



2 Vacuum pump



3 Fixed subframe



4 Subframe with casters



5 Zeolite traps



6 Thermocouple J sensor

1 Temperature extension max. 300°C

2 Pressure controller

Helps maintain a constant level of pressure chosen inside the oven. Adjusting to mbar.

3 Vacuum profiler

4 programs of 16 segments each. Automatically change the vacuum level during your process.

4 Temperature profiler

4 programs of 16 segments each. Ideal if you need to heat at different temperatures during your process or provide progressive temperature drops.

5 Temperature + vacuum profiler and recorder

2 channels. Allows the creation of temperature and vacuum programs ; and to record those measured. With USB and RJ45 plugs.

1 Tray with guide bars

Made of stainless steel and perforated. Maximum load of 30 kg distributed.

2 Vacuum pump

Vacuum pump up to 1 mbar. With hose (1 m) and oil filter.

3 Fixed subframe (except XFL512)

Elevates the oven for a better loading comfort. Adjustable feet. Safety glass front. Clever storage of the vacuum pump inside.

Fixed subframe (for XFL512)

Elevates the oven for a better loading comfort. Adjustable feet.

4 Subframe with casters (sauf XFL512)

Elevates the oven for a better loading comfort. Casters with brakes. Safety glass front. Clever storage of the vacuum pump inside.

5 Zeolite traps

Protects the vacuum pump by capturing the various clearances issued during the process. With filter and molecular sieve + refill.

6 Thermocouple J sensor

With connector. Stainless steel. 2m length.



XFL240

XFL512

TECHNICAL DATA

	XFL020	XFL050	XFL120	XFL240	XFL512
Working volume (L)	20	51	110	220	512
SIZES					
Internal width (mm)	250	320	470	470	800
Internal depth (mm)	320	500	500	1000	800
Internal height (mm)	250	320	470	470	800
External width* (mm)	510	580	800	800	1130
External depth* (mm)	585	765	820	1320	1150
External height* (mm)	610	680	890	890	1220
Weight, empty (kg)	60	85	170	235	370
Glass thickness (mm)	10	10	15	15	19
PERFORMANCES					
Temperature range (°C)	Ambient + 20°C up to 200°C (300°C optional)				
Temperature fluctuation (+/- °C)	< 0.2				
Maximal final vacuum (mbar)	1				
Sensor type	Piezo				
Measuring range (mbar)	1 to 1000				
Pumping connector	Nipple - Hose Ø7	Nipple - Hose Ø7	DN16 KF connection	DN16 KF connection	DN25 connection
Breaking the vacuum connection	Nipple - Hose Ø4	Nipple - Hose Ø4	Nipple - Hose Ø7	Nipple - Hose Ø7	Nipple - Hose Ø13
ELECTRICAL DATA					
Heating power (W)	800	1200	2400	3600	9000
Power	230V, 1 Ph+PE, 50-60Hz				400V, 3Ph+PE, 50Hz
Amperage connection (A)	16	16	16	16	20
LOADING TRAYS					
Number of trays provided / maximum in the oven	1 / 3	1 / 5	1 / 7	1 / 7	1 / 15
Trays sizes (LxP) (mm)	212x258	282x438	438x440	438x940	760x740
Trays sizes (working surface) (LxP) (mm)	188x258	258x438	408x440	408x940	737x740
Max. weight on a tray / max. in the oven (kg)	30 / 60	30 / 60	30 / 90	30 / 90	30 / 200

* some options may change the oven sizes



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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