FRANCE ETUVES

Ovens and incubators
For laboratory and industry



Laboratory furnaces 1200°C XKL15 model



Laboratory furnace XKL15

The laboratory furnaces are used for a large number of high temperature treatments:

burning, degassing, pre-heating, hardening, tempering, annealing of metals, stress relief, stabilization, tests ...

in many branches of industry.

y Performances :

Temperature range: up to 1200°C

Electronic PID controller

Ramping to set up temperature

Temperature fluctuation: less than ± 1°C

y Construction :

From compact design, Control panels are at the bottom part of the furnaces to minimise their size.

The inner casing is made of ceramic fiber.

The outer casing is made of stainless steel.

The optimized heat insulation is made of ceramic fiber totally asbestos-free, ensuring efficient operation, low external temperature and excellent thermal stability.

in addition to the insulation, double skin design with air gap between the insulated chamber and outer body keeps the outer body at low temperature, especially the door.

The door opening manually downwards

y Heating :

The heater surround the chamber to ensure homogenous heating.

No-wear switching (solid state relay) is used for activating and deactivating the heating elements.

The micro switch at door edge cut off heating

y Exhaust air, fresh air supply :

A 20 mm diameter exhaust vent is provided at the rear of the furnaces.

y Temperature control and safety :

Temperature sensor is a S thermocouple. The temperature is controlled by a precise microprocessor-based controller that provides a high accuracy and prevents the set temperature from being exceeded.
The alarm integrated inside the controller has an adjustable deviation limit, giving a class 3.1 protection. The controller digitally displays the set and actual values of temperature. And incorporates a heater indicator lamp. The control panel houses a ON/OFF switch and a fault indicator lamp which lights when the safety device comes into operation.
230 Volts plug at the rear.

y Quality control :

Every furnace is carefully checked at the end of the production process. A check report can be supplied on simple request.



Laboratory furnace XKL15

Photos and specifications are not contractual.

A wide range of factory-fitted options and accessories to meet your exact requirements ...

Technical data:

Laboratory furnaces		***XKL15***

Performances

Temperature range up to	*°C*	*1200*
Temperature fluctuation	*±°C*	*< 1*

Dimensions

Work chamber volume	*dm^3*	*15*

Internal width	*mm*	*250*
Internal depth	*mm*	*340*
Internal height	*mm*	*170*

External width	*mm*	*450*
External depth	*mm*	*615*
External height	*mm*	*465*

Weight (empty)	*kg*	*48*

Electrical supply

Power supply	*Volts / 50 Hz*	*230 single-phase*
Power heating	*Watts*	*3 500*

Factory options (To be specified when ordering the main unit)

OG9021	*Temperature profiler (4 programs of 16 segments each)*	*OG9014*	*Portable paper recorder 1 temperature*

Accessories (can be ordered separately)

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We reserve ourselves the right to modify technical characteristics without notice.