

XUEHT up to **450°C**



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XUEHT RANGE

HIGH TEMPERATURE UNIVERSAL OVENS

HIGH TEMPERATURE UNIVERSAL OVENS XUEHT

XUEHT High temperature universal ovens are suitable for a large number of applications : burning, degassing, pre-heating, hardening, sterilization at high temperature, tests ...

A robust and quality construction.

The outer casing is made of electro-galvanized sheet. White and blue epoxy paints. Corrosion-resistant stainless steel inner casing. Rounded corners for easy cleaning !
150 mm insulation asbestos free : low energy consumption, excellent thermal stability, low surface temperatures.



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. Fan speed control. PID adjustment. Temperature correction at 2 distinct temperatures (offsets). Automatic fault diagnosis. Display of faults. RS485 modbus multipoints communication to control several ovens on the same network.

Adjustable air renewal

Adjustment of the opening intensity of the air outlet with a button on the control panel.

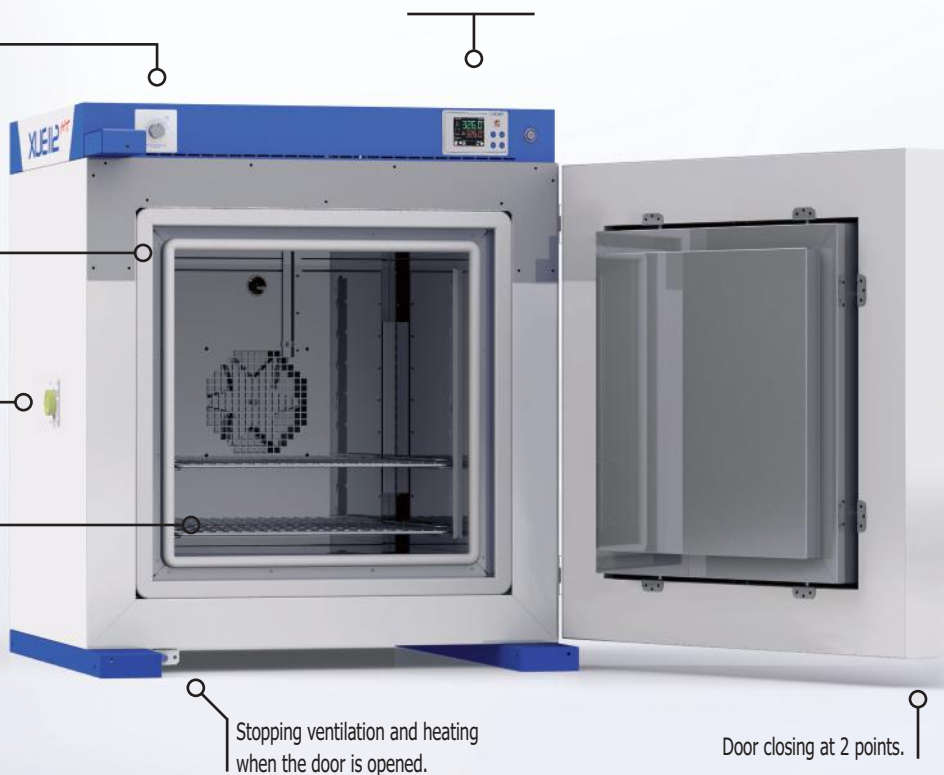
Door tightness

Installation of a special seal allowing the seal between the door and the body of the oven.

Simplified calibration by
Ø 20mm entry port

Loading shelves

2 supplied with anti-tilt guide bars.
Multiple loading levels.



Stopping ventilation and heating when the door is opened.

Door closing at 2 points.

Protections for your ovens and your products.

Automatic heating and ventilation turn off when the door is opened (can be deactivated). Electronic overheating protection thermostat with 2 modes according to DIN 12 880 : automatic reset (protection class 3.1) or manual reset (protection class 2.0). Temperature tracking alarm. Visual and audible alarms.

Forced ventilation for perfect temperature uniformity

Ventilation is provided by a motor fan. It accelerates the drying process and homogenizes the heat in the useful volume.

Inside the oven, the air is drawn in by the fan. It is heated by the heating elements and then blown into the useful volume. The hot air is evacuated by an outlet chimney with adjustable shutter at the rear of the oven. Fresh air also enters the volume from the rear.

Efficient heating.

Heating elements ideally placed in the air flow.
Rapid rise in temperature.



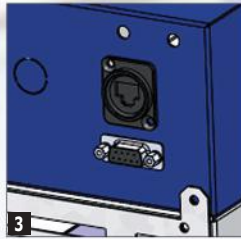
OPTIONS



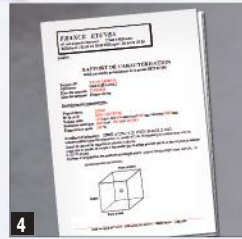
1 Digital weekly program timer



2 Temperature profiler and recorder



3 Ethernet/RS485 converter



4 Factory calibration certificate



5 Homogeneity control certificate

ACCESSORIES



1 2 Shelf with guide bars



3 Recovery tray



4 Subframe with feet



5 Subframe with castors



6 Data logger with 2 channels



7 Software for data logger



8 9 Portable paperless graphic recorder
4 or 6 channels



10 Thermocouple probe

1 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.

2 Temperature profiler and recorder

30 programs with 25 steps each. Record the temperature measured. Large color graphical display. Real-time monitoring of temperatures. 3 extra channels for temperature probes. With USB and RJ45 plugs.

3 Ethernet/RS485 converter

Used to convert RS485 communication to RJ45 communication.

4 Factory calibration certificate

1 temperature. Measurement in the center of the working chamber (according to FD X 15-140).

5 Homogeneity control certificate

1 temperature. 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.

3 Recovery tray

Stainless steel, height : 20mm. Protects the floor of the oven.

4 Subframe with feet / with castors

5 Elevates the oven for a more comfortable loading. Height adjustable feet. 2 castors with brake.

6 Data logger with 2 channels

Saves the temperatures measured by two mobile sensors.

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 connectors for mobile sensors.

9 Version with 6 connectors for mobile sensors.

10 Thermocouple probe

With plug. Accessory for recorders.

2 sizes 112 and 343 liters



XUEHT112

XUEHT343

TECHNICAL DATA

	XUEHT112	XUEHT343
Working volume (L)	112	343
SIZES		
Internal width (mm)	500	700
Internal depth (mm)	450	700
Internal height (mm)	500	700
External width* (mm)	835	1035
External depth* (mm)	920	1170
External height* (mm)	950	1150
Floor height with subframe option	850	750
Weight, empty (kg)	260	
Number of door	1	1
PERFORMANCES		
Temperature range (°C)	Ambient temperature + 20°C up to 450°C	
Controller temperature fluctuation (+/- °C)	< 0.2	
Number of fan	1	1
Maximum rate of air exchange (m³/h)	10	10
Number of air inlet / air outlet	1 / 1	1 / 1
Ø outside air inlet / air outlet (mm)	35	35
ELECTRICAL DATA		
Heating power (W)	5000	12000
Power	230V ~1P 50Hz	400V ~3P + N 50Hz
Amperage connection (A)	25	20
SHELVES (2 provided)		
Maximum number inside the oven	8	11
Shelves sizes (WxD) (mm)	470x420	670x670
Maximum load on a shelf / in the oven (kg)	30 / 60	30 / 120

* Some options may change the oven sizes



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