

XUHT up to **450°C**



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XUHT RANGE

HIGH TEMPERATURE UNIVERSAL OVENS

HIGH TEMPERATURE UNIVERSAL OVENS XUHT

XUHT 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.

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.

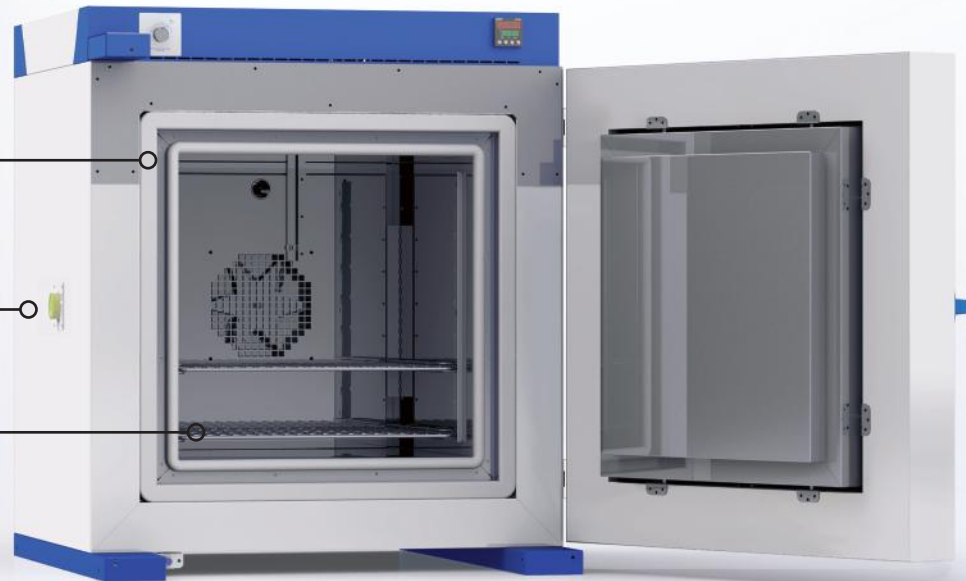
Protections for your oven and your products.

Adjustable electronic thermostat (protection class 3.1.). Electronic reset thermostat (protection class 2). Support of the temperature control in case of failure. Visual and audible alarms.

An accurate temperature control.

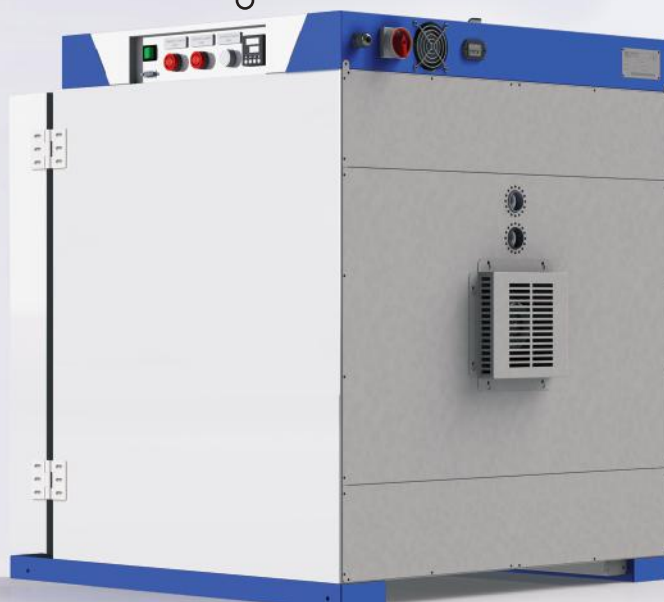
The temperature is regulated by a very reliable electronic PID controller. It measures the temperature using a PT100 probe, placed in the air flow. Digital display. Accuracy : 0.1 ° C.

Possibility to control the oven from a PC via the sub-D9 plug.



Stopping ventilation and heating when the door is opened.

Door closing at 2 points.



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 Fan speed controller



2 Digital weekly program timer



3 Temperature profiler



4 Temperature profiler and recorder



5 Factory calibration certificate



6 Homogeneity control certificate

ACCESSORIES



1 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 Portable paperless graphic recorder
4 or 6 channels

1 Fan speed controller

The fan speed influences the interior homogeneity as well as the temperature rise time.

2 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.

3 Temperature profiler

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

4 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.

5 Factory calibration certificate

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

6 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

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.

2 sizes 112 and 343 liters



XUHT112

XUHT343

TECHNICAL DATA

| | XUHT112 | XUHT343 |
|--|--|-------------------|
| 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 (m ³ /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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