

**XHT** up to **450°C**



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**XHT RANGE**

**HIGH TEMPERATURE OVENS**

# XHT HIGH TEMPERATURE OVENS

High temperature ovens XHT are suitable for a large number of applications up to 450°C : burning, degassing, pre-heating, hardening, sterilization at high temperature, tests ...

## A robust construction with high performances.

The inner casing is made of stainless steel, corrosion resistant. Exterior in steel coated with white and blue epoxy paint. Thick insulation of 150 mm of rockwool : reduced power consumption, rapid temperature rise, excellent thermal stability, low surface temperatures.

## Amazing temperature uniformity !

An exclusive ventilation system : the air is drawn in by the turbine in the upper part of the oven. It is heated and blown from the back in the lower part. Heating elements are ideally placed in the air flow.

## Adjustable air renewal.

Controlled from an adjustment button on the control panel.

## Accuracy and efficient temperature control.

PID electronic temperature controller. Easy to use. Accuracy : 0.1°C. Digital display. Measurement by Thermocouple probe.

## Protections for you, your oven and your products.

Adjustable electronic thermostat with digital display (protection class 3.1). It takes charge of the temperature control in case of failure of the temperature controller. Adjustable electronic thermostat with reset (class 2 protection) located in the electrical box. Heating cut off during overheating. Stop ventilation and heating when the door is opened.

Simplified calibration trough the Ø 40mm entry port.

Installation of a special gasket for sealing between the door and the oven body.

## Easy loading.

Max 2000 kg load up to model XHT02.7.  
Max 3000 kg for other models.

2-point door closing.



XHT01

XHT01.5

XHT01.8

XHT02.7

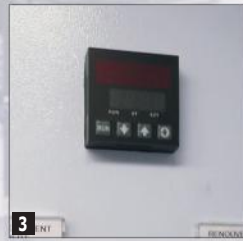
## OPTIONS



**1** Fan speed controller



**2** Digital weekly program timer



**3** Temperature profiler



**4** Temperature profiler and recorder



**5** Factory calibration 1 point



**6** Homogeneity control certificate

## ACCESSORIES



**1** Data logger with 2 channels  
4 or 6 channels



**2** Software for data logger



**3** Portable paperless graphic recorder



**4** Thermocouple J probe

### **1** Fan speed controller

### **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. To heat at different temperatures during your process.

### **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 (105°C, 150°C or 200°C). Measurement in the center of the working chamber.

### **6** Homogeneity control certificate

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

### **1** Data logger with 2 channels

Saves the temperatures measured by two mobile sensors.

### **2** Software for data logger with 2 channels

Can set data logger and retrieve stored data.

### **3** 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.

### **4** Thermocouple J probe

With plug. Accessory for recorders.



XHT03



XHT04.5



XHT06.5

## TECHNICAL DATA

	XHT01	XHT01.5	XHT01.8	XHT02.7	XHT03	XHT04.5	XHT06.5
Working volume (L)	1000	1500	1800	2700	3000	4500	6480
<b>SIZES</b>							
Internal width (mm)	1000	1000	1000	1000	1500	1500	1800
Internal depth (mm)	1000	1000	1000	1800	1500	2000	2000
Internal height (mm)	1000	1500	1800	1500	1500	1500	1800
External width* (mm)	1720	1696	1696	1696	2198	2198	2498
External depth* (mm)	1670	1670	1670	2470	2220	2720	2720
External height* (mm)	1703	2239	2556	2312	2468	2466	2807
Weight, empty (kg)	750	950	1200	1400	1600	1800	2200
Number of door	1				2		
<b>PERFORMANCES</b>							
Temperature range (°C)	Ambiant temperature + 20°C up to 450°C						
Controller temperature fluctuation (+/- °C)	< 0.2						
Number of air inlet / Diameter (mm)	1 / 150		1 / 200		1 / 250		
Number of air outlet / Diameter (mm)	1 / 150		1 / 200		1 / 250		
Total ventilation rate (m <sup>3</sup> /h)	2000	2500	2800	3250	4000	4000	6000
<b>ELECTRICAL DATA</b>							
Heating power (W)	22500	30000	37500	48000	45000	52500	72000
Electrical supply	400V ~3P + N 50Hz						
Amperage connection (A)	40	50	63	80	100	100	160

\* Some options may change the oven's sizes

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