INDUSTRIAL OVENS XXL up to 200/300 °C

Industrial ovens XXL are designed for easy loading of your products, no weight limit!
For all applications of curing, polymerization, coating, heating, drying, vitrification, stabilization, ...

The excellence in the industrial oven.
Internal and external sheets made of steel. Modern design. White and blue epoxy paints. Reduced energy consumption. Rapid heating-up. Simplified calibration with the Ø 20mm access port on the left side.

An adjustable air change.
Controlled by a button on on the control panel.

An amazing temperature homogeneity!
An exclusive ventilation system: air is sucked in the top part, heated then blown from the back part. The fan engine is located on the top part. Heating elements are ideally placed in the airflow.

Work safely
Protection classes 3.1 and 2. Heating is cut off in case of failures, overloads and overheating. Visual alarms. Stop fan and heating when the door is opened.

An accurate and efficient temperature control.
C3000 PID electronic controller. Extremely easy to use. Precision: 0.1°C. Measurement by PT100 probe. Functions: delayed start, heating-up ramp, end cycle timer, repeat loop.

An easy loading.
No weight limit.
The floor is a front-beveled thin sheet.

Inner handle from the XXL03 model.
1 Temperature extension max. 300°C
2 Door with viewing window
3 Internal lighting
4 Fan speed controller
5 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.
6 Temperature profiler
4 programs with 16 steps each. To heat at different temperatures during your process.
7 Temperature profiler and recorder
Large graphical display, Real-time monitoring of temperatures. Allows the creation of programs. Record the temperature measured, 3 extra channels. With USB and RS485 plugs.
8 Touch screen controller
Real-time temperature display, simplified alarms management, safety settings and display of possible faults.
9 Oven process control system
Full and secure control of your oven. PC with large touch screen, easy to use. All data is stored and available from any computer on the network.
10 Access port Ø 60 mm
Centered on the left side. Allows the passage of cables or sensors.
11 Plug for thermocouple J probe (x8)
12 Simple vacuum port
13 Controlled vacuum port (x4)
Plugs for vacuum and measurement. Self-sealing quick connect. Solenoid valve outside. Check the pressure on the ramp and on each plug.
14 Air outlet extractor
Evacuates the exhaust air into a duct system.
15 Air cooling extractor
Enables cooling the temperature in the working volume at the end of the cycle.
16 Factory calibration certificate
1 temperature (105°C, 150°C or 200°C). Measurement in the center of the working chamber (according to FD X 15-140).
17 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).
18 Data logger with 2 channels
Saves the temperatures measured by two mobile sensors.
Software for data logger with 2 channels
Can set data logger and retrieve stored data.
19 Portable paperless graphic recorder
Full color screen display. Real monitoring of temperature changes. With USB and RS485 plugs, and 4 or 6 connectors for mobile sensors.
20 Thermocouple J probe length 3 m
With plug. Accessory for recorders.
21 Insulation plate + access ramp
Protects your floor from heat.
## TECHNICAL DATA

<table>
<thead>
<tr>
<th>XXL01</th>
<th>XXL01.5</th>
<th>XXL01.8</th>
<th>XXL02.7</th>
<th>XXL03</th>
<th>XXL04.5</th>
<th>XXL08</th>
<th>XXL12</th>
<th>XXL15</th>
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<tbody>
<tr>
<td>Working volume (L)</td>
<td>1000</td>
<td>1500</td>
<td>1800</td>
<td>2700</td>
<td>3000</td>
<td>4500</td>
<td>8000</td>
<td>12000</td>
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### SIZES

<table>
<thead>
<tr>
<th>Internal width (mm)</th>
<th>1465</th>
<th>1465</th>
<th>1555</th>
<th>1560</th>
<th>2059</th>
<th>2059</th>
<th>2559</th>
<th>2559</th>
<th>2900</th>
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<tbody>
<tr>
<td>Internal depth (mm)</td>
<td>1538</td>
<td>1538</td>
<td>1535</td>
<td>2370</td>
<td>2078</td>
<td>2578</td>
<td>2578</td>
<td>3576</td>
<td>3607</td>
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<tr>
<td>External width* (mm)</td>
<td>1431</td>
<td>1988</td>
<td>2299</td>
<td>2022</td>
<td>2134</td>
<td>2134</td>
<td>2665</td>
<td>2798</td>
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<tr>
<td>External depth* (mm)</td>
<td>1500</td>
<td>1500</td>
<td>1500</td>
<td>1500</td>
<td>2000</td>
<td>2000</td>
<td>2000</td>
<td>2000</td>
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<tr>
<td>Weight, empty (kg)</td>
<td>980</td>
<td>1085</td>
<td>1300</td>
<td>2627</td>
<td>3500</td>
<td>14 / 80</td>
<td>1 / 100</td>
<td>1 / 125</td>
<td>1 / 100</td>
</tr>
<tr>
<td>Number of door</td>
<td>1</td>
<td>2</td>
<td>2</td>
<td>2</td>
<td>2</td>
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</table>

### PERFORMANCES

<table>
<thead>
<tr>
<th>Temperature range (°C)</th>
<th>Ambient temperature + 20°C up to 200°C (300°C optional)</th>
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</thead>
<tbody>
<tr>
<td>Temperature fluctuation (+/- °C)</td>
<td>&lt; 0.2</td>
</tr>
<tr>
<td>Homogeneity at 105°C** (+/- °C)</td>
<td>&lt; 2.5</td>
</tr>
<tr>
<td>Number of air inlet / Diameter (mm)</td>
<td>1 / 80</td>
</tr>
<tr>
<td>Number of air outlet / Diameter (mm)</td>
<td>1 / 100</td>
</tr>
<tr>
<td>Rate of air exchange (m³/h)</td>
<td>150-200</td>
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<tr>
<td>Total ventilation rate (m³/h)</td>
<td>1800</td>
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### ELECTRICAL DATA

<table>
<thead>
<tr>
<th>Heating power (kW)</th>
<th>12</th>
<th>15</th>
<th>18</th>
<th>21</th>
<th>24</th>
<th>27</th>
<th>36</th>
<th>45</th>
<th>54</th>
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</thead>
<tbody>
<tr>
<td>Total installed capacity (kVA)</td>
<td>12.9</td>
<td>16.5</td>
<td>20.5</td>
<td>22.6</td>
<td>26.8</td>
<td>29.8</td>
<td>39.8</td>
<td>51.1</td>
<td>62.6</td>
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<tr>
<td>Electrical supply</td>
<td>400V ~3P 50Hz</td>
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<tr>
<td>Amperage connection (A)</td>
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<td>25</td>
<td>32</td>
<td>40</td>
<td>40</td>
<td>50</td>
<td>63</td>
<td>80</td>
<td>100</td>
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* Some options may change the oven’s sizes
** According to TD X 15-140