Despatch PC Series Continuous Production Ovens are designed for process versatility and reliability. They achieve superior air temperature uniformity on all interior parts due to high-volume, vertical down airflow. The continuous belt design is ideal for large quantities of similar work pieces being processed. Typical applications include pre-heating, curing, bonding, drying and heat treating. Options include Class A models specifically designed for flammable solvents and a HEPA (High Efficiency Particulate Air) filtered model for applications that require Class 1000 cleanliness. Ovens provide extremely consistent and repeatable process results at temperatures up to 260°C (500°F).

The newly designed PCC1-40 model comes standard with a HEPA filter but can be ordered without. It has a stainless-steel interior and exterior with all interior seams continuously back welded to prevent migration of insulation particles from entering into the oven work space and allow easy washing. The conveyor opening has an adjustable slide gate to prevent heat loss. The conveyor can be shifted to change the entry and exit length.

FEATURES AT A GLANCE

- High volume vertical down airflow for superior temperature uniformities and process reliability
- Three standard models to meet your heat processing requirements
- Maximum temperature ranges up to 260°C (500°F)
- Proven reliability and built to last
- Small Footprint
- Class A option for use with flammable solvents available
- HEPA filtered option for clean process application available

PCC1-40-3E HEPA Filtered

PCC2-15-1E Class A Rated
**PC SERIES conveyor ovens**

### PHYSICAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PC SERIES conveyor ovens</th>
<th>PCC1-40-3E</th>
<th>PCC1-75-3E</th>
<th>PCC2-15-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Chamber size (width x depth x height)</td>
<td>18 x 42 x 9 in (45 x 106 x 22 cm)</td>
<td>24 x 60 x 9 in (61 x 152 x 22 cm)</td>
<td>30 x 120 x 6 in (76 x 305 x 15 cm)</td>
</tr>
<tr>
<td>Capacity in cubic feet (liters)</td>
<td>4 (113)</td>
<td>7.5 (212)</td>
<td>12.5 (354)</td>
</tr>
<tr>
<td>Overall size (width x depth x height)</td>
<td>47 x 94 x 93 inches (119 x 239 x 236 cm)</td>
<td>40 x 114 x 76 inches (101 x 289 x 193 cm)</td>
<td>60 x 170 x 104 inches (152 x 432 x 264 cm)</td>
</tr>
<tr>
<td>Heater Capacity</td>
<td>16 kW*</td>
<td>16 kW</td>
<td>32 kW</td>
</tr>
<tr>
<td>Recirculating Fan Motor - airflow capacity</td>
<td>2 HP - 1,000 CFM (472 LPS) HEPA filtered</td>
<td>2 HP - 1,600 CFM (755 LPS)</td>
<td>7.5 HP - 4.200 CFM (1,982 LPS)</td>
</tr>
<tr>
<td>Exterior Material</td>
<td>Stainless Steel (#4 polish)</td>
<td>Stainless Steel (#4 polish)</td>
<td>Painted Mild Steel</td>
</tr>
<tr>
<td>Interior Material</td>
<td>Stainless Steel with backwelded seams</td>
<td>Stainless Steel</td>
<td>Aluminized steel</td>
</tr>
<tr>
<td>Conveyor width</td>
<td>17.25 in (44 cm)**</td>
<td>24 in (61 cm)</td>
<td>30 in (76 cm)</td>
</tr>
<tr>
<td>Conveyor belt type</td>
<td>Stainless Steel Open Rod Style</td>
<td>Stainless Steel Woven Wire Type</td>
<td>Stainless steel flatwire type</td>
</tr>
<tr>
<td>Load End conveyor extension</td>
<td>12 in (30 cm)</td>
<td>12 in (30 cm)</td>
<td>18 in (45 cm)</td>
</tr>
<tr>
<td>Exit End conveyor extension</td>
<td>24 in (61 cm)</td>
<td>24 in (61 cm)</td>
<td>18 in (45 cm)</td>
</tr>
<tr>
<td>Approximate domestic shipping weight (export adds weight)</td>
<td>1900 lbs (860 kg)</td>
<td>2150 lbs (975 kg)</td>
<td>6000 lbs (2720 kg)</td>
</tr>
</tbody>
</table>

### FUNCTIONAL SPECIFICATIONS

<table>
<thead>
<tr>
<th>PC SERIES conveyor ovens</th>
<th>PCC1-40-3E</th>
<th>PCC1-75-3E</th>
<th>PCC2-15-1E</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conveyor speed range (per minute)</td>
<td>1 to 10 in (2.5 to 25 cm)</td>
<td>1 to 10 in (2.5 to 25 cm)</td>
<td>1 to 10 in (2.5 to 25 cm)</td>
</tr>
<tr>
<td>Load capacity</td>
<td>8 lbs (3.6 kg) per linear foot</td>
<td>8 lbs (3.6 kg) per linear foot</td>
<td>8 lbs (3.6 kg) per linear foot</td>
</tr>
<tr>
<td>Maximum temperature</td>
<td>260 °C (500 °F)</td>
<td>260 °C (500 °F)</td>
<td>260 °C (500 °F)</td>
</tr>
<tr>
<td>Additional</td>
<td>***HEPA filtered</td>
<td>Class A rated</td>
<td></td>
</tr>
</tbody>
</table>

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* De-rated to 13.4kW on 380/3/50
** Effective belt width is 16.5 in (42 cm)
*** Class 100 supply-air out of HEPA filter - Class 1000 workspace environment

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**PC Series OPTIONS**

The PC Series Continuous Ovens can be configured to maximize production capacity and optimize floor space. They can be equipped with optional features as listed below to meet your specific production needs. Please contact Despatch for more information on a PC Series oven configured for your application.

- Variable conveyor speeds
- Conveyor extensions on each end provides loading/unloading areas
- Class A options for handling flammable solvents
- Clean environment air filtration including HEPA filters
- Heavier load capacity options available
- Contact factory for temperature requirements above 260°C (500°F)

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**PCC1-40 Unique Option**

The PCC1-40 can be ordered in an end-to-end configuration to provide an additional heating zone. The entrance and exit length of the conveyor can be adjusted by shifting the conveyor. This shift does not change the overall length of the conveyor.

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**PCC1-40 SHIPS IN 8 WEEKS**

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**SERVICE AND TECHNICAL SUPPORT**

- service parts: 1-800-473-7373
- international service/main: 1-952-469-8230
- service fax: 1-952-469-8193
- service@despatch.com
- parts@itweae.com

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**GLOBAL HEADQUARTERS**

- main phone: 1-800-726-0110
- international/main: 1-952-469-5424
- sales: 1-800-726-0550
- international/sales: 1-952-469-8240
- sales@despatch.com

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