

◆ PC Series Continuous Production Ovens

Process Versatility and Reliability



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).

FEATURES AT A GLANCE

- ◆ High volume vertical down airflow for superior temperature uniformities and process reliability
- ◆ Four 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



PCC1-75-3E

PCC1-40-3E
HEPA Filtered



PCC2-15-1E
Class A Rated

| PC SERIES continuous ovens | PCC1-26-3E | PCC1-40-3E | PCC1-75-3E | PCC2-15-1E |
|--|--|---|--|--|
| PHYSICAL SPECIFICATIONS | | | | |
| Chamber size (width x depth x height) | 18 x 42 x 6 in (45 x 106 x 10 cm) | 18 x 42 x 9 in (45 x 106 x 22 cm) | 24 x 60 x 9 in (61 x 152 x 22 cm) | 30 x 120 x 6 in (76 x 305 x 15 cm) |
| Capacity in cubic feet (liters) | 2.6 (75) | 4 (113) | 7.5 (212) | 12.5 (354) |
| Overall size (width x depth x height) | 37 x 91 x 67 inches (94 x 231 x 170 cm) | 48 x 95 x 90 inches (122 x 241 x 229 cm) | 40 x 114 x 76 inches (101 x 289 x 193 cm) | 60 x 170 x 104 inches (152 x 432 x 264 cm) |
| Electrical | 415/3/50, 380/3/50 and 480/3/60 options | 415/3/50, 380/3/50 and 480/3/60 options | 415/3/50, 380/3/50 and 480/3/60 options | 415/3/50, 380/3/50 and 480/3/60 options |
| Heater Capacity | 16 kW | 12 kW | 16 kW | 32 kW |
| Recirculating Fan Motor - airflow capacity | 1/2 HP - 850 CFM (401 LPS) | 2 HP - 850 CFM (401 LPS) HEPA filtered | 2 HP - 1,600 CFM (755 LPS) | 7.5 HP - 4,200 CFM (1,982 LPS) |
| Exterior Material | Stainless Steel (#4 polish) | Stainless Steel (#4 polish) | Stainless Steel (#4 polish) | Painted Mild Steel |
| Interior Material | Stainless Steel | Stainless Steel with back- welded seams | Stainless Steel | Aluminized steel |
| Conveyor width | 18 in (45 cm) | 17.25 in (44 cm)* | 24 in (61 cm) | 30 in (76 cm) |
| Conveyor belt type | Stainless Steel Woven Wire Type | Stainless Steel Open Rod Style | Stainless Steel Woven Wire Type | Stainless steel flatwire type |
| Load End conveyor extension | 18 in (45 cm) | 12 in (30 cm) | 12 in (30 cm) | 18 in (45 cm) |
| Exit End conveyor extension | 18 in (45 cm) | 24 in (61 cm) | 24 in (61 cm) | 18 in (45 cm) |
| FUNCTIONAL SPECIFICATIONS | | | | |
| Conveyor speed range (per minute) | 1 to 10 in (2.5 to 25 cm) | 1 to 10 in (2.5 to 25 cm) | 1 to 10 in (2.5 to 25 cm) | 1 to 10 in (2.5 to 25 cm) |
| Load capacity | 6 lbs (2.7 kg) per linear foot | 8 lbs (3.6 kg) per linear foot | 8 lbs (3.6 kg) per linear foot | 8 lbs (3.6 kg) per linear foot |
| Maximum temperature | 260 °C (500 °F) | 260 °C (500 °F) | 260 °C (500 °F) | 260 °C (500 °F) |
| Additional | | **HEPA filtered | | Class A rated for handling flammable solvents |

*Effective belt width is 16.5 in (42 cm). **Class 100 supply-air out of HEPA filter - Class 1000 workspace environment

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.

- ◆ Temperature maximum ratings: 260°C (500°F), 343°C (650°F), 454°C (850°F)
- ◆ Variable conveyor speeds
- ◆ High volume vertical down airflow for superior temperature uniformity and process reliability.
- ◆ Conveyor extensions on each end provides loading/unloading areas
- ◆ Class A options for handling flammable solvents
- ◆ Optional conveyer systems including flat wire, mesh belts, non metallic belts, and more
- ◆ Clean environment air filtration including HEPA filters
- ◆ Heavier load capacity



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