

### ◆ 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).

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	PCC1-40-3E	PCC1-75-3E	PCC2-15-1E
<b>PHYSICAL SPECIFICATIONS</b>			
Chamber size (width x depth x height)	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)	4 (113)	7.5 (212)	12.5 (354)
Overall size (width x depth x height)	47 x 94 x 93 inches (119 x 239 x 236 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
Heater Capacity	16 kW*	16 kW	32 kW
Recirculating Fan Motor - airflow capacity	2 HP - 1,000 CFM (472 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)	Painted Mild Steel
Interior Material	Stainless Steel with backwelded seams	Stainless Steel	Aluminized steel
Conveyor width	17.25 in (44 cm)**	24 in (61cm)	30 in (76 cm)
Conveyor belt type	Stainless Steel Open Rod Style	Stainless Steel Woven Wire Type	Stainless steel flatwire type
Load End conveyor extension	12 in (30 cm)	12 in (30 cm)	18 in (45 cm)
Exit End conveyor extension	24 in (61 cm)	24 in (61 cm)	18 in (45 cm)
Approximate domestic shipping weight (export adds weight)	1900 lbs (860 kg)	2150 lbs (975 kg)	6000 lbs (2720 kg)
<b>FUNCTIONAL SPECIFICATIONS</b>			
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)
Dwell time	4.3 to 42 minutes	6 to 60 minutes	12 to 120 minutes
Load capacity	8 lbs (3.6 kg) per linear foot	8 lbs (3.6 kg) per linear foot	20 lbs (9 kg) per linear foot
Maximum temperature	260 °C (500 °F)	260 °C (500 °F)	260 °C (500 °F)
Additional	***HEPA filtered		Class A rated

\* 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

## 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)

## 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.

**PCC1-40 SHIPS  
IN 8 WEEKS**



PCC1-75-3E



PCC1-40 end-to-end option

## SERVICE AND TECHNICAL SUPPORT

service phone: 1-800-737-8110  
service international: 1-573-317-3054

dspsupport@itwae.com  
parts@itwae.com

## 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

[www.despatch.com](http://www.despatch.com)

8860 207th Street West  
Minneapolis, MN 55044 USA

**Despatch**  
Thermal Processing Technology **ITW IAE**