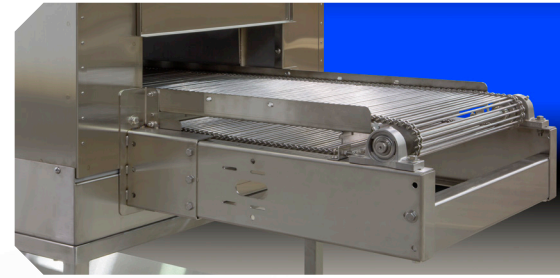


### ◆ PC Series Continuous Production Ovens Process Versatility and Reliability



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 pre-heating, curing, bonding, drying or heat treating and provide extremely consistent and repeatable process results. The PCC1-40 model has all stainless construction and comes standard with or without HEPA filtration on recirculation air for a Class 1000 work environment.

All PCC ovens feature a standard touchscreen interface for intuitive control of temperature and belt speed. Operators can easily start or stop fans, heaters, and conveyors directly from the screen. The advanced controller supports recipe programming, allowing you to set precise temperature and belt speed for each product. You can also automate preheat and cool down cycles to optimize daily operation. Additional features include real-time trend displays, onboard data logging, and four levels of password protection. With MODBUS and Ethernet connectivity, you can download trend data to your network, and the system integrates seamlessly with our Protocol Manager PC software.

#### FEATURES AT A GLANCE

- ◆ High volume vertical down airflow for superior temperature uniformity and process reliability
- ◆ Large standard speed range
- ◆ Four standard models to meet your heat processing requirements
- ◆ Maximum temperature ranges up to 260°C (500°F)



PCC1-40 two zone configuration

**PCC1-40 SHIPS  
IN 8 WEEKS**



PCC1-75-3E



PCC2-15-1E  
Class A Rated

PC SERIES conveyor ovens	PCC1-40-3E	PCC1-75-3E	PCC2-15-1E	PCC2-30
<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)	30 x 120 x 12 in (76 x 305 x 30 cm)
Capacity in cubic feet (liters)	4 (113)	7.5 (212)	12.5 (354)	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)	60 x 170 x 110 inches (152 x 432 x 280 cm)
Electrical	208/3/50-60, 220-240/3/50-60, 380/3/50, 415/3/50 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*	16 kW	32 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)	7.5 HP - 4,200 CFM (1,982 LPS)
Exterior Material	Stainless Steel (#4 polish)	Stainless Steel (#4 polish)	Painted Mild Steel	Painted Mild Steel
Interior Material	Stainless Steel with back-welded seams	Stainless Steel	Aluminized steel	Aluminized steel
Conveyor width	17.25 in (44 cm)**	24 in (61cm)	30 in (76 cm)	30 in (76 cm)
Conveyor belt type	Stainless Steel Open Rod Style	Stainless Steel Woven Wire Type	Stainless steel flatwire type	Stainless steel flatwire type
Load End conveyor extension	12 in (30 cm)	12 in (30 cm)	18 in (45 cm)	18 in (45 cm)
Exit End conveyor extension	24 in (61 cm)	24 in (61 cm)	18 in (45 cm)	18 in (45 cm)
Approximate domestic shipping weight (export adds weight)	1900 lbs (860 kg)	2150 lbs (975 kg)	6000 lbs (2720 kg)	6000 lbs (2720 kg)
<b>FUNCTIONAL SPECIFICATIONS</b>				
Conveyor speed range (per minute)	0.7 to 11 in (1.8 to 38 cm)	1 to 15 in (2.5 to 37 cm)	1 to 60 in (2.5 to 152 cm)	1 to 60 in (2.5 to 152 cm)
Dwell time	4 to 60 minutes	4 to 60 minutes	2 to 120 minutes	2 to 120 minutes
Load capacity	6 lbs (2.8 kg) per linear foot	8 lbs (3.6 kg) per linear foot	20 lbs (9 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)	260 °C (500 °F)
Additional	***HEPA filtered		Class A rated	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.

- ◆ Class A options for handling flammable solvents
- ◆ Multiple zones available for higher production rates
- ◆ Belt speed, conveyor belt and heavier board capacity options available to support a wide variety of products and processes.
- ◆ Contact Despatch for more information on the PC series oven configuration for your application.
- ◆ Extended feed or discharge conveyor and cooling sections on discharge
- ◆ HEPA filtered option for clean process application on PCC1-40

## SERVICE AND TECHNICAL SUPPORT

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Thermal Processing Technology 