

### ◆ 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
<b>PHYSICAL SPECIFICATIONS</b>				
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)
<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)	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.

- ◆ 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
- ◆ Optional conveyer systems including flat wire, mesh belts, non-metallic belts, and more
- ◆ Heavier load capacity options available
- ◆ Contact factory for temperature requirements above 260°C (500°F)



### SERVICE AND TECHNICAL SUPPORT

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