

◆ 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
- ◆ Five 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



PCC1-88-1E & PCC2-15-1E
Class A Rated



PCC1-40-3E HEPA Filtered



PCB1-17-3E & PCC1-75-3E

PCC CONTINUOUS OVENS	PCB1-17-3E	PCC1-40-3E	PCC1-75-3E	PCC1-88-1E	PCC2-15-1E
PHYSICAL SPECIFICATIONS					
Chamber size (width x depth x height)	18 x 42 x 3 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)	18 x 120 x 6 in (45 x 305 x 15 cm)	30 x 120 x 6 in (76 x 305 x 15 cm)
Capacity in cubic feet (liters)	1.75 (50)	4 (113)	7.5 (212)	7.5 (212)	12.5 (354)
Overall size (width x depth x height)	37 x 91 x 65 inches (94 x 231 x 165 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)	48 x 170 x 85 inches (122 x 432 x 216 cm)	60 x 170 x 104 inches (152 x 432 x 264 cm)
Electrical	220/240 Volt, 1 phase, 50/60 Hz	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	9 kW	12 kW	16 kW	16 kW	32 kW
Recirculating Fan Motor - airflow capacity	1/3 HP - 750 CFM (354 LPS)	2 HP - 850 CFM (401 LPS) HEPA filtered	2 HP - 1,600 CFM (755 LPS)	3.2 HP - 2,400 CFM (1,133 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	Painted Mild Steel
Interior Material	Stainless Steel	Stainless Steel with backwelded seams	Stainless Steel	Aluminized steel	Aluminized steel
Conveyor width	18 in (45 cm)	18 in (45 cm)	24 in (61cm)	18 in (45 cm)	30 in (76 cm)
Conveyor belt type	Stainless Steel Open Rod Style	Stainless Steel Woven Wire Type	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)	12 in (30 cm)	18 in (45 cm)	18 in (45 cm)
Exit End conveyor extension	24 in (61 cm)	24 in (61 cm)	24 in (61 cm)	18 in (45 cm)	18 in (45 cm)
FUNCTIONAL SPECIFICATIONS					
Conveyor speed range	1 to 10 in (2.5 to 25 cm) per minute	1 to 10 in (2.5 to 25 cm) per minute	1 to 10 in (2.5 to 25 cm) per minute	1 to 10 in (2.5 to 25 cm) per minute	1 to 10 in (2.5 to 25 cm) per minute
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	6 lbs (2.7 kg) per linear foot	8 lbs (3.6 kg) per linear foot
Maximum temperature	177 °C (350 °F)	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	Class A rated for handling flammable solvents

PC SERIES CUSTOMIZED

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

- ◆ Temperature maximum ratings: 260°C (500°F), 343°C (650°F), 454°C (850°F), 538°C (1000°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
- ◆ Custom conveyer systems including flat wire, mesh belts, monorails, powered rollers, indexing drives, walking beam, powered chain, non metallic belts, and more
- ◆ Multiple heating and cooling zones
- ◆ Additional airflow designs such as horizontal or vertical up flow
- ◆ Clean environment air filtration including HEPA filters
- ◆ Heavier load capacity

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

GLOBAL HEADQUARTERS

phone: 1-888-DESPATCH (1-888-337-7282)
international/main: 1-952-469-5424
fax: 1-952-469-4513
 sales@despatch.com
 www.despatch.com

8860 207th Street West
 Minneapolis, MN 55044 USA