

◆ PWE Walk-In Ovens

Designed for High Temperature Industrial Process Versatility and Dependability

The PWE is designed for high temperature industrial process versatility and dependability. Typical applications include aging, bonding, curing and heat treating. They feature horizontal recirculating airflow to ensure superior temperature uniformity and process reliability.

The PWE is great for higher temperature custom and modified applications with a max temperature of 482°C (900°F). It can be used in Class A applications that include flammable solvents or large amounts of moisture removal. It is specifically designed to meet NFPA 86 requirements and includes a pressure relief panel, purge timer and exhaust fan.

The PWE Walk-in oven uses horizontal recirculating airflow to ensure uniform temperatures throughout the oven. A high-volume fan circulates air through perforated, aluminized steel walls to create a constant horizontal airflow across all sections of the oven. Each oven is shipped fully assembled and wired to minimize installation time. Once the oven is in place, simply make the electrical power connections and turn it on.

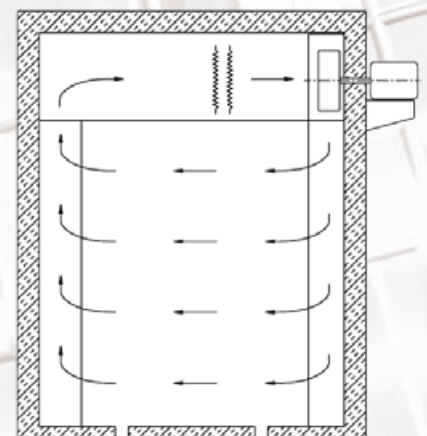


FEATURES AT A GLANCE

- ◆ Temperatures up to 482°C (900°F)
- ◆ 104 or 216 cubic feet (2945 or 6116 liters)
- ◆ Class A for handling flammable solvents
- ◆ Fully assembled and factory tested
- ◆ Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export.
- ◆ Aluminized steel interior
- ◆ High volume recirculating fan provides faster, more uniform heating – saving process time and improving product quality
- ◆ Insulated floor with truck tracks
- ◆ UL and C-UL listed open industrial control panel



Airflow pattern



OPTIONS

- ◆ Motorized damper to aid in cool-down
- ◆ Alternate controller for controlling rate of temperature rise.
Can also be used for process timing functions
- ◆ Door switch to shut down the heater and blower when door is open
- ◆ Process timers to automatically shut down oven at end of process
- ◆ Loading trucks and shelves
- ◆ Access ports for test wires
- ◆ Proportioning gas fired heater
- ◆ Chart recorder
- ◆ Audible alarm
- ◆ Rear doors

PWE	3-10	3-21
PHYSICAL SPECIFICATIONS		
Chamber size (width x depth x height)	48 x 52 x 72 in 122 x 132 x 183 cm	72 x 72 x 72 in 183 x 183 x 183 cm
Capacity in cubic feet (liters)	104 (2945)	216 (6116)
Overall size (oven body width x depth x height) Add 12" (30.5cm) for the control panel to make the overall width	85 x 64 x 99 in 216 x 163 x 252 cm	109 x 84 x 101 in 229 x 213 x 257 cm
Height with forced exhaust (optional)	101 in (257 cm)	101 in (257 cm)
Electrical: 60 hertz - 3 phase 480 V standard, 240 V optional 50 hertz is also available	68 kW	102 kW
Exhaust outlet diameter	8 in (20.3 cm)	9 in (22.9 cm)
Exhaust outlet forced exhaust	5 x 13.5 in (12.7 x 34.3 cm)	7 x 13.5 in (12.7 x 34.3 cm)
Doors	2	2
Insulation thickness	6 in (15.2 cm)	6 in (15.2 cm)
Floor insulation thickness	3 in (7.6 cm)	3 in (7.6 cm)
Truck centers	32 in (81.3 cm)	48 in (122 cm)
Approximate domestic shipping weight (export adds weight)	3,600 lbs (1,633 kg)	5,850 lbs (2,654 kg)
FUNCTIONAL SPECIFICATIONS		
Minimum operating temp above ambient	20°C (36°F)	20°C (36°F)
Maximum operating temperature	482°C (900°F)	480°C (900°F)
Exhaust capacity forced exhaust (minimum/maximum)	250/1000 CFM (118/471.9 LPS)	315/1000 CFM (148.7/471.9 LPS)
Solvent handling capacity at 204°C (400°F) MEK	0.25 GPH (0.95 LPH)	0.33 GPH (1.25 LPH)
Forced exhaust HP	2	2
Recirculating fan	5 HP 3800 CFM (1793 LPS)	7.5 HP 6000 CFM (2832 LPS)
Control stability	±0.5°C on all models	

Notes: Minimum operating temperature and cooling times are based on 20°C ambient temperature measured at the fresh air inlet with the fresh air and exhaust dampers fully open. Specifications are subject to change without notice. If the existing specifications differ from yours, ask about our customizing capabilities.

SERVICE AND TECHNICAL SUPPORT

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