

### ◆ 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 454°C (850°F). For applications that include flammable solvents or large amounts of moisture removal, we offer a Class A option. The Class A option is specifically designed to meet NFPA 86 requirements and includes a pressure relief panel, purge timer and exhaust fan.

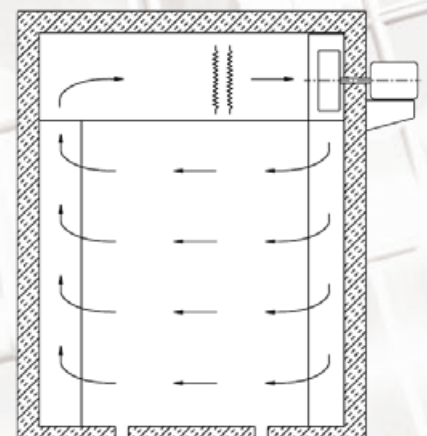
The PWE Walk-in oven uses horizontal recirculating airflow to ensure uniform temperatures throughout the oven. A high-volume fan circulates air through perforated, aluminized steel walls to create a constant horizontal airflow across all sections of the oven. Each oven is shipped fully assembled and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

#### FEATURES AT A GLANCE

- ◆ Temperatures up to 454°C (850°F)
- ◆ 104 or 216 cubic feet (2945 or 6116 liters)
- ◆ Fully assembled and factory tested
- ◆ Digital, easy to use, PID control
- ◆ 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

- ◆ Class A option for handling flammable solvents
- ◆ Forced exhaust to aid in cool-down or handling of large amounts of moisture
- ◆ Programmable 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
<b>PHYSICAL SPECIFICATIONS</b>		
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 optional 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 shipping weight	3,600 lbs (1,633 kg)	5,850 lbs (2,654 kg)
<b>FUNCTIONAL SPECIFICATIONS</b>		
Minimum operating temp above ambient	20°C (36°F)	20°C (36°F)
Maximum operating temperature	454°C (850°F)	454°C (850°F)
Exhaust capacity optional forced exhaust (minimum/maximum)	238/1000 CFM (112.3/471.9 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 (optional)	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

service parts: 1-800-473-7373  
international service/main: 1-952-469-8230  
service fax: 1-952-469-8193  
service@despatch.com  
usparts@itweae.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

8860 207th Street West  
Minneapolis, MN 55044 USA

**Despatch**  
Thermal Processing Technology 