

### ◆ **PWE3-21 Walk-In Oven**

**Designed for High Temperature Industrial Process Versatility and Dependability**



The PWE3-21 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 PWE3-21 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.

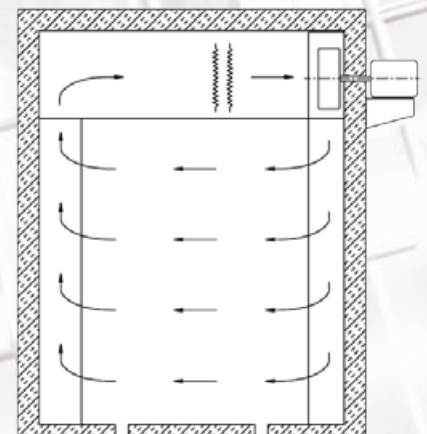
The PWE Walk-in oven uses horizontal recirculating airflow to ensure uniform temperatures throughout the oven. A high-volume fan circulates air through perforated, aluminized steel walls to create a constant horizontal airflow across all sections of the oven. Each oven is shipped fully assembled and 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)
- ◆ 216 cubic feet (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

## 3-21

### PHYSICAL SPECIFICATIONS

Chamber size (width x depth x height)	72 x 72 x 72 in 183 x 183 x 183 cm
Capacity in cubic feet (liters)	216 (6116)
Overall size (oven body width x depth x height) Add 12" (30.5cm) for the control panel to make the overall width	109 x 84 x 101 in 229 x 213 x 257 cm
Height with forced exhaust (optional)	101 in (257 cm)
Electrical: 60 hertz - 3 phase 480 V standard, 240 V optional 50 hertz is also available	102 kW
Exhaust outlet diameter	9 in (22.9 cm)
Exhaust outlet optional forced exhaust	7 x 13.5 in (12.7 x 34.3 cm)
Doors	2
Insulation thickness	6 in (15.2 cm)
Floor insulation thickness	3 in (7.6 cm)
Truck centers	48 in (122 cm)
Approximate shipping weight	5,850 lbs (2,654 kg)

### FUNCTIONAL SPECIFICATIONS

Minimum operating temp above ambient	20°C (36°F)
Maximum operating temperature	454°C (850°F)
Exhaust capacity optional forced exhaust (minimum/maximum)	315/1000 CFM (148.7/471.9 LPS)
Solvent handling capacity at 204°C (400°F) MEK	0.33 GPH (1.25 LPH)
Forced exhaust HP (optional)	2
Recirculating fan	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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