

Forced Convection Oven

220 °C | Larger Chamber

LAB1ST FCO220 Industrial Forced Air Oven delivers large-capacity thermal processing with 2-4 m³ workspace and exceptional temperature uniformity ($\pm 1.5^{\circ}\text{C}$). Engineered for industrial-scale applications, its double-door design accommodates oversized samples while maintaining precise PID control.

The 7-inch smart touchscreen, polished stainless steel interior, and heavy-duty casters support efficient handling of bulk materials.



Features

- > **High-Temperature Capability up to 300°C/400°C** for demanding drying processes
- > **7-inch Smart Touchscreen Control** with intuitive menu navigation for quick temperature and time parameter setting
- > **Polished stainless steel interior** with argon arc welding technology and external steel panel for durability and modern appearance
- > **Microcomputer PID Temperature Controller** with timing function ensures precise and reliable temperature control
- > **Advanced Air Circulation System** with high-temperature resistant fan and optimized air duct design improves temperature uniformity ($\pm 1.5^{\circ}\text{C}$ at 100°C)
- > **High-temperature Synthetic Silicon Seal** ensures long service life and easy replacement
- > **Adjustable Air Intake and Exhaust** control from the operation panel
- > **Independent Over-temperature Protection System** automatically cuts off power when temperature exceeds limits
- > **Double-door Design** facilitates loading of large samples
- > **Standard Universal Casters** provide flexible mobility



Model	FCO220-2000L	FCO220-3000L	FCO220-4000L
Temperature Range	RT+10~220°C		
Temperature Control	PID Control		
Control Accuracy	±0.5°C		
Temperature Uniformity	±1.5°C (@100°C)		
Operation Interface	7-inch Color Touchscreen		
Power Supply	380V/50Hz		
Power Consumption	8.5 kW	10 kW	11.5 kW
Chamber Volume	2150 L 75.93 cu ft	2850 L 100.65 cu ft	3400 L 120.07 cu ft
Timer Function	Standard		
Alarm System	High/Low Temp Alarm		
Door Structure	Double-Door Design		
Internal Dimension (W×D×H, mm)	1400×1120×1350	1880×1120×1350	2250×1120×1350
External Dimension (W×D×H, mm)	1750×1350×2060	2230×1350×2060	2600×1350×2060

Labfirst Scientific Instruments (Shanghai) Co., Ltd.
No.248 Guanghua Road, Minhang District, Shanghai, China

CALPHA INDUSTRIES INC.
10 Corporate Park Ste 330, Irvine, California 92606, USA

LSI PROCESS EQUIPMENT CO., LTD.
701 West Georgia Street, Suite 1500, Vancouver, British Columbia, V7Y 1C6, Canada

Tel: +86-13524020331 / +1-844-452-2178

sales@lab1st.com
www.lab1st.com
eshop.lab1st.com

Options

FCO-RS485

RS485 interface and communication software



FCO-Reinf. Shelves

Reinforced Shelves (for heavier loading capacity)



FCO-Printer

Embedded printer



FCO-ProgramCtrl

Multi-segment programmable LCD temperature controller



FCO-DataExport

USB data storage and export



FCO-TestHole

Test hole (Φ25mm) for external probes or cabling

