



# Modular Convection Batch Oven

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## STANDARD FEATURES:

- Operating temperatures up to 400°F. Customized ovens for higher temperatures.
- Double doors at one end. Second set available for pass-through or for walk-in from both ends.
- Burner chamber can be located on left, right, top or rear of oven.
- Service voltage: 208 Volt single phase or three phase; 230 Volt single or three phase; 460 Volt three phase.
- Complete assembly, safety, maintenance and operation instructions.
- Unique modular 5" thick, 8 lb. density insulated panel construction.
- Panels easily snap and lock in place for solid construction, air tightness and high efficiency.
- Proven and reliable heat and air-flow design with energy efficient direct fire burners.

OVER 100 STANDARD POWDER BATCH OVEN MODELS AVAILABLE FOR NATURAL GAS, PROPANE, OR ELECTRIC SERVICE

## MODULAR CONCEPT:

Unique Modular Design enables low equipment and installation costs. Designed especially for curing of powder coatings on metals, or customized for just about any other wet coating/finish.

**FOSTORIA CAN SHIP ANY STANDARD POWDER CURING OVEN IN 4 - 6 WEEKS OR LESS, AFTER RECEIPT OF A QUALIFIED ORDER.**

Exclusive insulated modular steel panel construction, allows Fostoria to ship any standard model within 4 - 6 weeks, ready for assembly at the job site. The quality modular design offers ease of assembly on-site, saves on equipment investment AND will help realize savings on operating costs.



Powder Coating Institute



# Fully Assembled Models

Model	Height (Ft.)	Width (Ft.)	Length (Ft.)
FPO644	6	4	4
FPO665	6	6	5

## Standard Models - Natural Gas Propane or Electric

Model	Height (Ft.)	Width (Ft.)	Length (Ft.)*
FPO6 Series	6	6	5 ft. thru 20 ft.
FPO6 Series	6	8	5 ft. thru 25 ft.
FPO8 Series	8	8	5 ft. thru 30 ft.
FPO8 Series	8	10	5 ft. thru 35 ft.
FPO10 Series	10	10 or 12	5 ft. thru 50 ft.
FPO12 Series	12	12 or 14	5 ft. thru 50 ft.

\* Note: All standard model series are available from a 5 ft. length thru the series lengths shown above, with increments every 2-1/2 ft.. (5", 7'6", 10', 12'6", 15', 17'6" etc.) thru 30 ft., and thereafter, every 5' up to a 50' length.

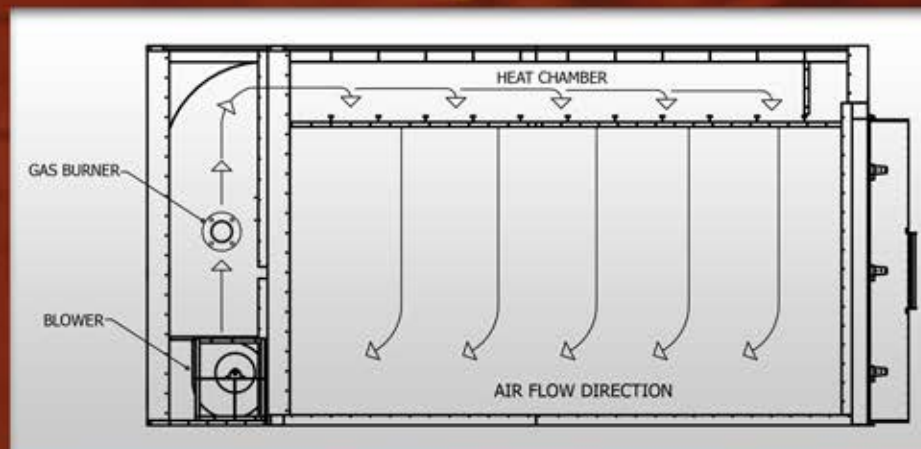
Above dimensions are interior (working) dimensions. Add 10" to the width, 10" to the length, and 2 ft. to the height, for the outside dimensions. Check with a Fostoria Sales Engineer for install and operation clearances required. Note: Allow a minimum 5 ft. clearance for the burner chamber.

- All models include built-in explosion relief.
- All models available for natural gas, propane, or electric operation.
- Control voltage: 208V single or three phase; 230V single or three phase; or 460V three phase.
- Separate 120V, 20A control supply.
- One set of double doors standard. Second set optional with adder.
- Standard models are without floors. Floors can be provided as an option.
- Select burner chamber location: Left, Right, Top or Rear.

A Fostoria Sales Engineer can provide complete oven specifications for all models, including CFM data, circuit amperages, HP, and Btu/hr.

## STANDARD CONTROLS (GAS-PROPANE):

- Purge timer, high and low gas pressure switches
- Two main safety shutoff valves with leak test stations
- PLC programmable controller with touch screen graphic display
- Digital temperature controller, (microprocessor based), thermocouple actuated
- UL Listed control panel, completely wired and factory tested
- Electronic flame safeguard protection
- Modulating, high-low or on-off burners
- Motor control push buttons; on-off heat switch
- Power exhaust for combustion venting
- Exhaust and re-circulation blower air flow safety switches
- Automatic shutdown
- Thermocouple driven excess temperature limit with digital readout



## OPTIONAL CONTROLS:

- Enhanced PLC controls for customized recipes, timers, and audio/visual alarms
- Delayed auto start