



»» Blue M ESP-400 Series Mechanical Convection Ovens

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The Blue M ESP-400 Mechanical Convection Horizontal Air flow Oven provides reliable performance, making it ideal for constant temperature work and for applications where fast run-up and cool-down rates are required.

A one-pass air flow system allows incoming air to pass over the heaters and through the work chamber only once, if desired, enabling fast cool down or quickly venting non-hazardous fumes or moisture. The horizontal air flow offers excellent temperature uniformity.

The setpoint and process variables appear on a bright, easy-to-read LED display. Setpoints are adjustable to 1°C resolution.

The main control regulates temperature by switching heater power through a solid state relay circuit.

An FM-approved independent over-temperature protection system is provided. This control disconnects heater and motor power and alarms an audible buzzer until manually reset by the user.



► Oven Features

- All-welded, heavy-duty exterior - heavy-gauge, reinforced cold-rolled steel
- Stainless steel interior corrosion resistant, including inner face of door
- Adjustable shelves - nickel-plated wire type with 7 shelf positions
- Baked-on powder-coated enamel finish for long-lasting corrosion protection
- Fiberglass insulation to ensure moderate cabinet skin temperature
- Heavy-duty door - double-wall, insulated construction

► Uniform, Accurate and Reliable Temperature Control

- Available with profiling or single setpoint temperature controls
- Adjustable one-pass air flow system - tempered air passes over heater and through chamber only once if necessary - readily adjusted to suit a broad range of product loads and operating requirements
- Air circulation - quality ball bearing motor and balanced multi-blade blower
- Exclusive Blue M Eterna™ heating elements with nichrome and ceramic heater bank provides quick response - low-watt density assures long life

Specifications - 260°C Mechanical Convection Ovens General Purpose, Painted Finish						
Model	Electrical Service	kW	Line Current	Cabinet Finish	Interior Dim.	Exterior Dim.
ESP 400	120V 60Hz	1.5	16.5A	Painted	19 x 15 x 18" 480 x 380 x 450 mm	32 x 24 x 37" 800 x 610 x 940 mm
	208V 60Hz	2.5	13.5A	Painted	19 x 15 x 18" 480 x 380 x 450 mm	32 x 24 x 37" 800 x 610 x 940 mm
	240V 60Hz	3.4	15.5A	Painted	19 x 15 x 18" 480 x 380 x 450 mm	32 x 24 x 37" 800 x 610 x 940 mm
Indication Resolution		1°C				
Run-up Time to 260°C (no load/no exhaust)		20 min. at 240V* 30 min. at 208V* 60 min. at 120V* * Empty chamber performance with intake and exhaust closed at rated voltage				

All specifications are subject to change without notice.

► Oven Options

- Nickel-plated wire rod shelves
- Glass observation panel
- Floorstand
- Circular chart recorder



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Specifications and Product Information are subject to change without notice.