



## > Blue M

ESP-400 Series Mechanical Convection Ovens

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The Blue M ESP-400 Mechanical Convection Horizontal Airflow 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 airflow 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 airflow 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 overtemperature 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 airflow 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

<b>Specifications - 260 C Mechanical Convection Ovens</b> <i>General Purpose, Painted Finish</i>				
<b>Model</b>	Electrical	Cabinet Finish	Interior Dim.	Exterior Dim.
ESP 400	120V 50-60Hz	Painted	19 x 15 x 18" 480 x 380 x 450 mm	32 x 24 x 37" 800 x 610 x 940 mm
	208V 50-60Hz	Painted	19 x 15 x 18" 480 x 380 x 450 mm	32 x 24 x 37" 800 x 610 x 940 mm
	240V 50-60Hz	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*  <i>*empty chamber performance with intake and exhaust closed at rated voltage</i>		

### ► Oven Options

- Welded and sealed inner chamber (vapor tight)
- Nickel-plated wire rod or stainless steel slotted shelves
- Glass observation panel
- Floorstand
- Circular chart recorder

Specifications & Product Information is subject to change without notice.  
Images for reference only. Options and accessories may not be included with all models.