

Blue M Mechanical Convection Ovens

ESP-400 Series Ovens

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.

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.

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.



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Blue M ESP-400 Series Oven Specifications

Oven Options

- Nickel-plated wire rod shelves
- Glass observation panel
- Floorstand
- Recording Instruments
- 24 hour, 7 day digital process timer
- Stacking frame
- Line cord and plug (7ft)
- GN₂ purge
- End of Process Timer

Specifications - 260°C Mechanical Convection Ovens					
General Purpose, Painted Finish					
Model	Electrical	Cabinet Finish	Interior Dim.	Exterior Dim.	Heater Kw
ESP 400	115V 50/60Hz	Painted	19 x 15 x 18 in. 480 x 380 x 450 mm	32 x 24 x 37 in. 800 x 610 x 940 mm	120V 50-60Hz
	208/240V 1ph 50/60Hz	Painted	19 x 15 x 18 in. 480 x 380 x 450 mm	32 x 24 x 37 in. 800 x 610 x 940 mm	208/240V 50-60Hz
Indication Resolution		1 degree C			
Run-up Time to 260 degrees C (no load/no exhaust)		30 min. at 240V* 60 min. at 120V*			
*empty chamber performance with intake and exhaust closed at rated voltage					



Specifications and Product Information is subject to change without notice.