

Note: Data Sheet For Reference Only - Actual Chamber May Vary Depending on Model Year, Options, Controllers, and Individual Configuration

# LR

**ENVIRONMENTAL  
EQUIPMENT COMPANY, INC.**

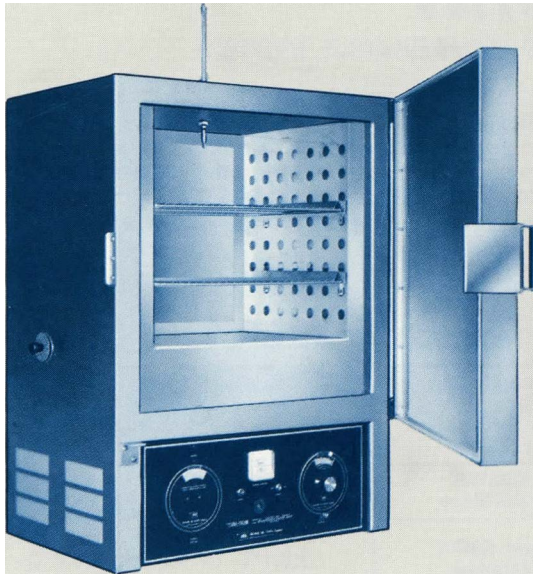
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## BLUE M

# STABIL-THERM®

*mechanical convection*

Horizontal Air-Flow

## ELECTRIC UTILITY OVENS



Typically Installed with the Watlow Digital Non-Ramping Controller With Independent High Limit Control within the controller.

**Ramp and Soak Programmer is also available for and additional charge.**

Additional Custom Ports can be Installed

Additional Shelves Also Available

### TEMPERATURE RANGE

+38°C. to +260°C. (+500°F.)

**TEMPERATURE CONTROL TOLERANCE:**  $\pm 0.2^{\circ}\text{C}$ .

**TEMPERATURE STABILITY:**  $\pm 0.4^{\circ}\text{C}$ .

### BUILT-IN AMBIENT TEMPERATURE COMPENSATION

Chamber temperature remains constant ( $\pm 0.1^{\circ}\text{C}$ .)  
though temperature varied  $\pm 5^{\circ}\text{C}$ .

These rugged, quality-built ovens are engineered to give years of continuous, dependable service in analytical laboratories and in general chemical work involving baking, drying, conditioning, preheating and other utility jobs. They are also ideal for processing light and small components in limited quantities.

Blue M recommends the addition of Overtemperature Protection (OTP) as an invaluable, positive safeguard for both equipment and workload.

## general specifications

**CONSTRUCTION:** Triple wall type.

Models OV-475A-2, OV-510A-2, OV-520C-2; quality 18-8 stainless, type 304, inside and out. Helic-arc welded. Models OV-472A-2, OV-490A-2, OV-500C-2: 2B Finish 18-8 stainless, type 304, interiors. Cold rolled steel exteriors, durable grey hammerloid enamel finish. All-welded.

**INSULATION:** All six sides have minimum 2 in. thickness of Fiberglas—fireproof, non-hygroscopic, will not settle.

**NEW ETERNA HEATER BANKS:** Open, low gradient—assure years of service. Cylindrical, supported by ceramic core and grooved, ceramic refractories. Alloy panel covers elements, shielding workload from radiant heat.

**FRESH AIR INTAKE VENT:** With adjustable cover.

**EXHAUST VENT:** With adjustable cover.

**SHELVES AND BRACKETS (1):** New design for maximum air-flow and support. Wire rod type reinforced. For all models with enameled steel exteriors, shelves are brightly nickel-plated steel. For all models with stainless exteriors, shelves and brackets are electropolished stainless. 2 in. adjustment for all models. 5 positions for smaller units, 8 for larger units.

**DOOR:** Fully insulated, double wall type. Interior face of type 304, 18-8 stainless. Newly designed modern hinges support doors securely. Chrome-plated latch and strike insure tight closure. High temperature silicone rubber door seals eliminate leakage.

**NEON PILOT LAMP:** Red, denotes unit operation.

**MOTOR WITH BUILT-IN THERMOGUARD® PROTECTION:** Sealed ball bearing type designed for blower and high temperature duty. Ample horsepower for long, trouble free service. Manufacturing states 10 years of normal life. Exclusive vibrationless mounting.

**DEFINITE DIRECTED AIR-FLOW:** Multi-bladed turbo blower, circulates heated air horizontally across working chamber uniformly. No special loading is required.

**THERMOMETER:** 0°C. to +260°C. glass, with 2°C. graduations, 12 in. long, white back, mercury filled.

**WIRING:** Complete, enclosed. OV-472A-2 and OV-475A-2 have 6 ft. 3 wire cord and plug. Others have terminal box (3 wire cord and plug optionally available). See below.

### ALL STAINLESS STEEL MODELS

Model Number	Inside Dimensions (Inches)			Overall Dimensions (Inches)			Maximum Watts	Voltage 60 Hz. A.C. Single Phase	Shipping Weight (Lbs.)
	W.	D.	H.	W.	D.	H.			
OV-475A-2	13	12	12	22	21	29	1000	*120 V.	85
OV-510A-2	19	15	18	29	24	37	1600	120 V.	155
OV-520C-2	19	15	18	29	24	37	1600	**240 V.	155

### ENAMELED STEEL EXTERIOR MODELS

OV-472A-2	13	12	12	22	21	29	1000	*120 V.	90
OV-490A-2	19	15	18	29	24	37	1600	120 V.	160
OV-500C-2	19	15	18	29	24	37	1600	**240 V.	160