

## OPERATING AND CONTROL CHARACTERISTICS

### TEMPERATURE RANGE:

15°C. above ambient to +343°C.  
(+650°F.)

### SETTING/INDICATING RESOLUTION:

1°C. or 1°F.

### AIR TEMPERATURE UNIFORMITY:

± 1% of Setpoint

MECHANICAL  
HORIZONTAL

**LR**  
ENVIRONMENTAL  
EQUIPMENT COMPANY INC.

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

## BLUE M

## MECHANICAL CONVECTION HORIZONTAL AIRFLOW OVENS

Chambers similar to these equipped with less sophisticated control instrumentation have been in demanding service for years. This work includes processing exotic and costly parts and components over extended periods as well as such more routine procedures as drying, aging, and baking. They have never been found wanting. Now, with advanced instrumentation to supplement their many proven construction features, they are able to satisfy even more stringent requirements than ever before.

As the specifications on the reverse side indicate, these chambers are available in a wide range of sizes in both bench and floor configurations and with a variety of voltages.

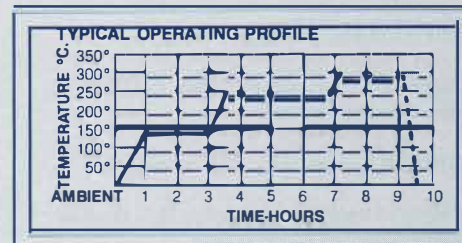
In addition, the standard models can be equipped with a motorized damper - regulated by the control instrumentation - to speed up cool-down time and to make them suitable for such applications as step curing of epoxies. The adjacent operating profile may be considered typical of the kind of automated performance these chambers can provide.

For Quality Refurbished Equipment With  
A 100% Warranty  
Contact: LR Environmental Equipment  
800-574-2748 323-770-0634

[www.LRE.com](http://www.LRE.com)

A number of optional accessories are available to extend the versatility of these chambers even more.

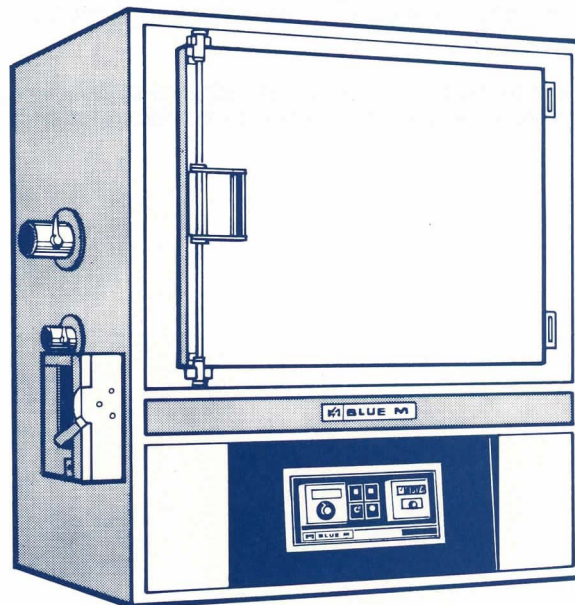
Similar chambers equipped with PRO-SET Digital Indicating Manual Control and PRO-ST AR Microprocessor-Based Programmer/Controller are described elsewhere in this catalog section.



AIR-FLOW  
ADJUSTABLE  
EXHAUST

ADJUSTABLE  
AIR INTAKE

MAIN  
FUSED  
DISCONNECT  
SWITCH



BLUE M  
PRO-8  
MICROPROCESSOR-  
BASED  
PROGRAMMER/  
CONTROLLER

ETERNA  
HEATER  
BANKS

TYPICAL  
BENCH  
MODEL

CHAMBER IS NOT DESIGNED  
OR INTENDED FOR USE WITH  
VOLATILE, FLAMMABLE OR  
HAZARDOUS MATERIALS.  
OVENS DESIGNED FOR  
THESE APPLICATIONS ARE  
SHOWN ELSEWHERE IN  
THIS CATALOG.

## GENERAL SPECIFICATIONS



**Watlow EZ-ZONE Controller**  
[Click Here For More Information](#)

### CONSTRUCTION

**HOUSING** — all-welded heavy gauge cold rolled steel, reinforced.

**INTERIOR** — type 304, 18-8 stainless.

**EXTERIOR FINISH** — attractive blue enamel.

**INSULATION** — fiberglass.

**DOOR(S)** — same construction as unit. Silicone rubber seal. All models have one door except those 37" wide or larger which have two but no center mullion.

**HARDWARE** — exclusive, adjustable no slam, cam action latch and chrome-plated hinges.

**ETERNA HEATER BANKS** — cylindrical type, assure years of service.

**AIR CIRCULATION** — quality ball bearing motor and balanced multi-bladed blower designed especially for these units.

**SHELVES** — one, wire rod or slotted type. Nickel-plated, adjustable on 2" centers. (Stainless optional).

**ADJUSTABLE EXHAUST SYSTEM** — permits almost 100% exhaust for rapid pull-down or operation close to ambient. Air velocity through work space is approximately 250 F.P.M.

**WIRING** — complete and enclosed to meet N.E. Code, as amended.

Single Phase Models	Inside Dimensions Inches (Cm.)			Overall Dimensions Inches (Cm.)			Element KW	Line Amps	Voltage 60 Hz. A.C. 1 Phase	Cubic Feet Cap.
	W.	D.	H.	W.	D.	H.				
MP-206C-1*	20 (51)	18 (45)	20 (51)	35 (89)	30 (76)	49 (123)	3/4	17/20	208/240 V.	4.1
MP-256C-1	25 (63)	20 (51)	20 (51)	41 (102)	32 (80)	49 (123)	4.5/6	25/29	208/240 V.	5.8
MP-136C-1	38 (95)	20 (51)	25 (63)	53 (135)	32 (80)	62 (157)	6/8	33/38	208/240 V.	10.0
MP-336C-1	25 (63)	20 (51)	38 (95)	40 (102)	32 (80)	75 (190)	6/8	33/38	208/240 V.	10.0
MP-1406C-1	48 (120)	24 (61)	36 (90)	63 (160)	36 (90)	73 (185)	6.8/9	38/44	208/240 V.	24.0
MP-1506C-1	37 (93)	25 (63)	37 (93)	53 (135)	38 (95)	75 (190)	6.8/9	38/44	208/240 V.	19.0

Balanced 3-Phase Models	Inside Dimensions Inches (Cm.)			Overall Dimensions Inches (Cm.)			Element KW	Line Amps Per Phase	Voltage 60 Hz. A.C. 3 Phase	Cubic Feet Cap.
	W.	D.	H.	W.	D.	H.				
MP-206F-1*	20 (51)	18 (45)	20 (51)	35 (89)	30 (76)	49 (123)	3/4	10/12	208/240 V.	4.1
MP-256F-1*	25 (63)	20 (51)	20 (51)	40 (102)	32 (80)	49 (123)	4.5/6	14/16	208/240 V.	5.8
MP-136F-1 MP-136G-1	38 (95)	20 (51)	25 (63)	53 (135)	32 (80)	62 (157)	6.8/9 9	21/24 12	208/240 V. 480 V.	10.0
MP-336F-1 MP-336G-1	25 (63)	20 (51)	38 (95)	40 (102)	32 (80)	75 (190)	6.8/9 9	21/24 12	208/240 V. 480 V.	10.0
MP-1406F-1 MP-1406G-1	48 (120)	24 (61)	36 (90)	63 (160)	36 (90)	73 (185)	9/12 12	28/32 16	208/240 V. 480 V.	24.0
MP-1506F-1 MP-1506G-1	37 (93)	25 (63)	37 (93)	53 (135)	38 (95)	75 (190)	9/12 12	28/32 16	208/240 V. 480 V.	19.0

\*Bench models.

Chamber dimensions are nominal, subject to sheet metal variations and engineering changes. If these values are critical, please contact factory for exact dimensions.

Used Refurbished - Warranted Test Chambers Available at LR Environmental 800-574-2748  
 323-770-0634 Visit Our Web Site To View Inventory [www.LRE.com](http://www.LRE.com)