



## »» Blue M

Industrial Batch Ovens

### Inert Gas Batch Oven

Blue M inert gas batch ovens are designed for durability and performance. Available in six (6) standard sizes, these inert gas batch ovens are ideal for industrial oven applications that involve processing materials in a controlled atmosphere environment. The Blue M inert gas batch oven utilizes a high volume horizontal air recirculation system which maximizes temperature uniformity and performance. Optional items such as stainless steel shelves, programmable timers, and data acquisition devices can be added to meet your process needs.



#### » Oven Features

- Welded and sealed inner chamber (vapor tight)
- Heavy-gauge steel exterior and interior panels
- Welded 14 and 16 gauge cold-rolled reinforced steel exterior
- Stainless steel-reinforced type 304 interior
- Fiberglass insulation - 4 full inches minimizes heat loss
- Baked-on powder-coated enamel finish
- Double-wall, insulated doors with silicone rubber seal
- Side-mounted control compartment for easier control access on 60 and 96 cu. ft. models

#### » Uniform, Accurate and Reliable Temperature Control

- Profiling or single set point controls
- Horizontal air flow
- Nichrome wire heater elements for durability
- Direct drive blower

#### » Performance

- Temperature Range: +15°C (27°F) above ambient to 316°C (600°F)
- Uniformity: ±2% of set point (empty stabilized chamber)
- Resolution: ±0.1°C

THERMAL PRODUCT SOLUTIONS

»» Baker Furnace    »» Blue M    »» Gruenberg    »» Lindberg/MPH  
»» Lunaire    »» Tenney    »» Wisconsin Oven

### Standard Batch Oven Options

- Stainless steel slotted shelves
- High power for fast heat-up
- 24-hour, 7-day programmable timer
- 10" circular chart recorder
- Reverse door hinge
- Back-up over-temperature protection

### Engineered Oven Options

- Additional lead-in ports
- All stainless steel construction
- Special control systems

Condensed Specifications												
Model	166		246		326		366		606		966	
Interior Volume	16.0 cu.ft.		24.0 cu.ft.		32.0 cu.ft.		36.0 cu.ft.		60.0 cu.ft.		96.0 cu.ft.	
Interior Dimensions WxDxH inches (cm)	24 x 24 x 48 (60.7 x 60.7 x 121.9)		36 x 24 x 48 (91.4 x 60.7 x 121.9)		48 x 24 x 48 (121.9 x 60.7 x 121.9)		36 x 36 x 48 (91.4 x 91.4 x 121.9)		36 x 48 x 60 (91.4 x 121.9 x 152.4)		48 x 48 x 72 (121.9 x 121.9 x 182.9)	
Exterior Dimensions WxDxH inches (cm)	51 x 39 x 85 (12.6 x 99.1 x 215.9)		63 x 39 x 85 (160 x 99.1 x 215.9)		75 x 39 x 85 (190.5 x 99.1 x 215.9)		63 x 51 x 85 (160 x 129.5 x 215.9)		80 x 63 x 93 (203.2 x 160 x 236.2)		92 x 63 x 104 (233.9 x 160 x 264.2)	
Machine Footprint	13.8 sq.ft.		17.1 sq.ft.		20.3 sq.ft.		22.3 sq.ft.		35.0 sq.ft.		40.2 sq.ft.	
Electrical Service	Std	Hi Power	Std	Hi Power	Std	Hi Power	Std	Hi Power	Std	Hi Power	Std	Hi Power
208 Vac 3Ph 60 Hz Line Current	9kW 29 FLA	13.5kW 44 FLA	10.5kW 33 FLA	16kW 51 FLA	13.5kW 42 FLA	20kW 61 FLA	13.5kW 42 FLA	20kW 61 FLA	18kW 60 FLA	26kW 84 FLA	24kW 76 FLA	Contact Factory
240 Vac 3Ph 60 Hz Line Current	12kW 33 FLA	18kW 50 FLA	14kW 38 FLA	21kW 58 FLA	18kW 47 FLA	27kW 70 FLA	18kW 47 FLA	27kW 70 FLA	24kW 68 FLA	34.5kW 96 FLA	32kW 87 FLA	Contact Factory
480 Vac 3Ph 60 Hz Line Current	12kW 17 FLA	18kW 24 FLA	14kW 19 FLA	21kW 28 FLA	18kW 24 FLA	27kW 35 FLA	18kW 24 FLA	27kW 35 FLA	24kW 34 FLA	36kW 48 FLA	32kW 43 FLA	48kW 62 FLA
Purge Rate (SCFH)	600		600		600		600		1000		1100	
Purge Time (MIN)	18		24		30		45		40		60	
Run Rate (SCFH)	300		300		400		400		600		800	
Coil GPM @ 40°F	3		3		3		3		3		3	
Cool Down Time (MIN) (650°F - 150°F)	50		70		85		40		70		105	



**Baker Furnace, Blue M, Gruenberg, Lindberg/MPH,  
Lunaire, Tenney, Wisconsin Oven**

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*Specifications and Product Information are subject to change without notice.*