

Ultra-Temp® Standard Convection Ovens

The Blue M Ultra-Temp® Standard High-Temperature Industrial Oven is ideal for annealing, heat treating, stress relieving, and a number of other high-temperature processes.



Ultra-Temp High-Temperature Industrial Oven Features

- Welded and sealed inner chamber eliminates fume migration into the insulation
- Heat shielded doors for low skin temperature
- 6" of mineral wool insulation to minimize heat loss
- Blue M tadpole door gasket design
- Safety door switch shuts down heaters and blower when door opens

Uniform, Accurate and Reliable Temperature Control

- Available with profiling or single set point
- Horizontal air flow assures uniform thermal performance under all loading conditions.
- Exclusive Blue M Eterna heating elements - the most reliable available, with heavy-gauge, high temperature nickel chromium wire, low-watt density for longer service life.
- Standard air flow switch.
- Blue M one-pass air flow controls your profile, including cool down with infinitely variable control from full recirculation to full one pass, and optional motorized damper for automatic operation.
- High temperature belt driven multi-blade centrifugal blower with high-volume air delivery and dynamically balanced.

Condensed Specifications					
Model	5580	6680	7780	8880	9980
Interior Volume	1.6 cu. ft.	4.2 cu. ft.	5.8 cu. ft.	11.0 cu. ft.	24.0 cu. ft.
Interior Dimensions WxDXH inches (mm)	14 x 14 x 14 (356 x 356 x 356)	20 x 18 x 20 (508 x 457 x 508)	25 x 20 x 20 (635 x 508 x 508)	38 x 20 x 25 (965 x 508 x 635)	48 x 24 x 36 (1219 x 610 x 914)
Exterior Dimensions WxDXH inches (mm)	40 x 32 x 66 (1016 x 813 x 1676)	45 x 36 x 70 (1143 x 914 x 1778)	51 x 38 x 72 (1295 x 965 x 1829)	64 x 39 x 75 (1626 x 991 x 1905)	94 x 43 x 77 (2388 x 1092 x 1956)
Machine Footprint	9.7 sq. ft.	12.5 sq. ft.	14.5 sq. ft.	24.0 sq. ft.	32.2 sq. ft.
Electrical Service					
208 VAC 3 Ph 50/60 Hz Line current	9.0 kW 30	12.0 kW 38	15.7 kW 47	18.8 kW 59	22.5 kW 72
240 VAC 3 Ph 50/60 Hz Line current	12.0 kW 34	16.0 kW 43	21.0 kW 54	25.0 kW 68	30.0 kW 82
480 VAC 3 Ph 50/60 Hz Line current	N/A	16.0 kW 21	21.0 kW 27	25.0 kW 32	30.0 kW 41

Ultra-Temp® Options

- Stainless steel shelves
- 24-hour, 7-day digital timer
- Circular chart recorder
- Reverse door hinge (available on 6680 & 7780 only)
- Motorized exhaust damper
- Comm-Link RS-485 to RS-232 converter

Engineered Options

- Vycor® glass observation panel
- Redundant over-temperature protection
- Lead-in ports
- Special control systems

General High-Temperature Convection Ovens Specifications

- Temperature range: 15°C above ambient to 704°C (1299°F)
- Uniformity: +/- 2% of setpoint
- Control Accuracy: +/- 0.5°C
- Resolution: +/- 0.1°C

Empty chamber performance with exhaust closed and at rated voltage

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