



Blue M

Ultra-Temp Inert Gas High Temperature Convection Ovens

Inert Gas Ultra-Temp®

The Blue M Inert Gas Ultra-Temp® High-Temperature Oven, pressure tested at operating temperatures, is suitable for all inert gases and non-flammable forming gases (maximum 4% hydrogen, balance nitrogen).

► Features

- Heavy gauge steel exterior
- Exterior panels are at least 16 gauge
- All welded and sealed inner chamber construction
- 304 stainless steel
- Full 1/2-inch steel front chamber mounting plate
- All welded construction contributes
- Baked on powder coated enamel finish
- Heat shielded doors for low skin temperature
- Mineral wool insulation - 6 full inches
- Fiberglass tadpole door gasket
- Pivot-Lock™ door latch
- Dual-gasket door seal design maintains seal integrity at temperatures to 593°C (1099°F)
- Standard safety door switch

► Uniform, Accurate and Reliable Temperature Control

- Profiling or single setpoint temperature controls
- Horizontal airflow
- Inert gas controls
- Purge timer
- Chamber pressure gauge and pressure relief valve
- Adjustable flow meter and purge bypass valve
- Air-cooled chamber design
- Forced air cooling
- Gas delivery system
- High-temperature blower system



<i>Condensed Specifications</i>				
<i>Model</i>	<i>6680</i>	<i>7780</i>	<i>8880</i>	<i>9980</i>
Interior Volume	4.2 cu. ft.	5.8 cu. ft.	11.0 cu. ft.	24.0 cu. ft.
Interior Dimensions WxDXH in. (cm)	20 x 18 x 20 (50.8 x 45.72 x 50.8)	25 x 20 x 20 (63.5 x 50.8 x 50.8)	38 x 20 x 25 (96.52 x 50.8 x 63.5)	48 x 24 x 36 (121.92 x 60.96 x 91.44)
Exterior Dimensions WxDXH in. (cm)	52 x 36 x 67 (132.08 x 91.44 x 170.18)	55 x 38 x 67 (139.7 x 96.52 x 170.18)	77 x 39 x 72 (195.58 x 99.06 x 182.88)	91 x 45 x 77 (231.14 x 114.3 x 195.58)
Machine Footprint	12.5 sq. ft.	14.5 sq. ft.	24.0 sq. ft.	32.2 sq. ft.
208 VAC 3 Ph 50/60 Hz Line current (per ph)	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 (per ph)	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 (per ph)	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
- Motorized exhaust damper
- Comm-Link RS-485 to RS-232 converter

▶ Engineered Options

- Redundant overtemperature protection
- Lead-in ports
- Special control systems



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