Applications: ASTM Testing, Epoxy Curing, Moisture Drying, UL Testing, Aging of Electronic Devices

Description:
Blue M stacked ovens have earned a long-standing reputation for exceptional performance, long service life and ease of operation over a broad range of applications. The STK series integrally stacked Blue M mechanical convection oven is suitable for curing, drying, and baking in semiconductor, electronic, and many other industrial applications.

Features:
- Heavy gauge steel exterior and stainless steel interior with all exterior panels are at least 16 gauge and interior features reinforced 304 stainless steel.
- Welded construction contributes to Blue M’s legendary strength & reliability.
- Fiberglass insulation - 4 full inches minimizes heat loss.
- Baked on powder-coated blue enamel finish for long-lasting corrosion protection.
- Blue M silicone door seal design for positive sealing of door.
- 3-inch diameter lead-in port in the center of the right side wall for customer test connections.

Pro 550 Controller Features:
- Double-size 5 digit LED display for easy viewing from a distance.
- Built-in autotuning allows optimal setting of PID parameters at the touch of a button.
- Eight sets of PID settings for each output enable the system to have custom PIDs for various portions of your profile.
- "Super" function improves performance by "learning" about a system's response to process changes. Signal interference and energy efficiency are factored into the temperature controller's operation.
- Manual mode enables control of output for troubleshooting.
- LCD display can be configured to display thermal profiles, setpoint temperature, process specific text, or other parameters.
- Storage capacity of 30 programs containing up to 99 segments per program, or 300 total.
- Can be used to control cooling features such as proportional dampers or a cooling coil.
- Password protection can be used to prevent unauthorized users from changing programs or accessing critical settings.
- RS-485 communications port (this may not be installed).
- Optical communications interface offers quick connection to a PC. (this may not be installed).
- Local mode enables operation as a single setpoint control, enabling operation without creating a program.
- FM approved overtemperature protection is provided by an independent control device.
General Specifications:
Temperature Range: 15°C above ambient to 316°C (650°F)
Uniformity: +1% of setpoint
Control Accuracy: +0.5°C
Resolution: +0.1°C
Interior Volume (per oven): 5.8 Cubic Feet
Interior Dimensions (per oven): 25” W x 20” D x 20” H
Exterior Dimensions: 52.3” W x 49” D x 74” H
Machine Footprint: 17.75 sq. ft.
Electrical Service: 480 VAC, 3-Phase, 50/60 Hz, 12.0 kW (per oven), 16.0 Amps (per oven)

Note: Empty chamber performance with exhaust closed and at rated voltage.