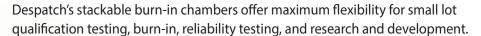
ITW EAE

Despatch

Thermal Processing Technology

RBC Stackable Burn-In Chambers

Dual chambers equate to maximum flexibility



Flexibility - The stackable burn-in chambers allow users to run concurrent tests utilizing different temperatures or different cycle times. They are ideal for qualification testing with small lots, because a new test may be started on the second chamber while the first test is still in progress. This chamber configuration is designed to maximize throughput and equipment utilization.

Small Footprint - The chamber may be placed on a benchtop, or stacked to conserve valuable floorspace. The small footprint makes these chambers ideal for test labs or production areas where space is at a premium.

Easy to use Controls - Standard digital controls regulate temperatures within tight tolerances and provide high limit protection. For more advanced control choose the optional Protocol 3™ microprocessor-based temperature and hi-limit controller with large LCD display and real time clock for auto start capability. Protocol 3™ features three operating modes for quick and easy operation: Manual mode, Timer mode and Profile mode. The data-logging functionality enables reporting and analyzing and data files can be exported via the controller's USB port. Modbus RS485 communications are included for easy data access.

Thermal Dissipation - High volume recirculation fans maintain consistent, uniform temperatures required by MIL STD 883 while removing heat generated by the load. Despatch's stackable burn-in chambers are ideal for high dissipation applications.



FEATURES AT A GLANCE

- Stackable configuration
- High dissipation capacity
- Maximum temperature: 260°C
- High volume horizontal recirculating airflow
- Automatic modulation damper for energy efficiency

Shown with optional Protocol 3 controller



STACKABLE BURN-IN OVENS RBC1-50

PHYSICAL SPECIFICATIONS			
Model		Air	Nitrogen
Nominal Chamber Dimensions (width x depth x height)		18 x 25 x 18 in 46 x 64 x 46 cm	18 x 25 x 18 in 46 x 64 x 46 cm
Capacity in cubic feet (liters)		4.7 (133)	4.7 (133)
Overall Size (width x depth x height)		46 x 36 x 32 in 117 x 91 x 81 cm	46 x 36 x 32 in 117 x 91 x 81 cm
Electrical		208V, 1-phase, 50/60HZ, 21.7 AMPs 220-240V, 1-phase, 50/60HZ, 23.5 AMPs 380V, 3-phase, 50HZ, 9 AMPs 480V, 3-phase, 60Hz, 9 AMPs	
1 HP Recirculating fan		600 CFM (283 LPS)	600 CFM (283 LPS)
Approximate Net weight		470 lbs / 213 kg	470 lbs / 213 kg
Approximate domestic shipping weight (export adds weight)		600 lbs / 272 kg	600 lbs / 272 kg
FUNCTIONAL SPECIFICATIONS			
Operating range1		50°C - 260°C	50°C - 260°C
Maximum dissipation2	@ 80ºC @ 125ºC @ 150ºC	800 watts 1300 watts 1400 watts	800 watts 1300 watts 1400 watts
Maximum mean temperature gradient (with evenly distributed live load)		4ºC @ 80ºC 6ºC @ 125ºC 6ºC @ 150ºC	4°C @ 80°C 6°C @ 125°C 6°C @ 150°C
Temperature uniformity (empty oven)	@ 125℃ @ 260℃	< ±1°C ±1°C	< ±1°C ±1°C
Control stability		\pm 0.10C/OC rise in ambient temperature	
Time to temperature (240V) 3	25-80°C 25-125°C 25-150°C 25-260°C	4 min. 10 min 14 min. 34 min.	4 min. 10 min. 14 min. 30 min.
Cool down 125°C to 60°C		40 min.	11 min.

Notes:

- 1 Assumes ambient of 25°C
- 2 Dissipation is reduced by 17% on 50 Hz
- 3 Time to temperature slightly longer for voltages lower than 240V

STANDARD FEATURES

- Removable rear-wall for fixturing
- High limit over-temperature protection
- ◆ Digital control with 3/4" (1.9cm) LED display
- Modbus communications connection (RS485) for remote monitoring and recording
- High limit over temperature protection
- Airflow switch protects against fan failure
- Stainless steel interior
- Baked enamel exterior
- Easy to service
- Scratch resistant

OPTIONS

- Nitrogen injection capability for minimizing oxidation at high temperatures includes LN2 for rapid cooling
- ◆ Protocol 3[™] control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export
- Ethernet communication connection
- Casters with brake
- ◆ Redundant hi-limit
- Chart recorder
- CE compliant
- Stacking hardware

SERVICE AND TECHNICAL SUPPORT

service phone: 1-800-737-8110 service international: 1-573-317-3054

dspsupport@itweae.com parts@itweae.com

GLOBAL HEADQUARTERS

main phone: 1-800-726-0110 international/main: 1-952-469-5424

sales: 1-800-726-0550

international/sales: 1-952-469-8240

sales@despatch.com

WWW.DESPATCH.COM

8860 207th Street West Minneapolis, MN 55044 USA

