

- ▣ 제 목 RBC 벤치탑 번인 오븐
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Despatch RBC 번인 벤치탑 오븐은 소량 인증 테스트, 번인, 신뢰성 테스트 및 연구개발을 위한 최고의 유연성을 제공합니다.

사용하기에 손쉬운 제어기 - 단순하거나 복잡한 적용 분야에 개선된 제어기를 손쉽게 사용할 수 있습니다. 버튼 하나만 누르면 단일 및 다중 온도 적용이 시작됩니다. 다중 온도 작동은 각 프로그램마다 8개 온도상승 및 흡수 세그먼트로 구성된 최대 8개 프로그램으로 제어합니다.

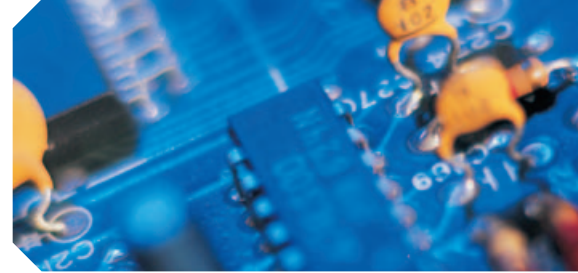
방열 - 대용량 재순환 팬은 부하에 따른 발열을 제거하는 동안 MIL STD 883에서 요구하는 대로 일관되고 균일하게 온도를 유지합니다. Despatch 적층형 번인 챔버는 고방열 적용 분야에 이상적입니다.

<표준기능> •최대 260°C(500°F) 온도 •고정용 탈착식 후방 벽 •Protocol Plus™ 마이크로 프로세서 제어 시스템과 실시간 시계를 통해 간편하고 유연하게 작동할 수 있습니다. •과온 방지 •에어 플로우 스위치 - 팬 고장 방지 •스테인리스강 내부 •실버 클레이 베이킹 에나멜 외부 •1년 보증 •손쉬운 서비스 •급침 내성

<옵션> •고온 산화를 최소화하기 위한 질소 주입 기능에 급속 냉각을 위한 LN2이 포함됩니다. •원격 입력, 모니터링 및 레코딩을 위한 PC 인터페이스(RS485/422/232) •브레이크가 있는 캐스터 •이중 상한 •차트 레코더 •합성 SEMI S2/CE 法規要求 •SEMI S2/CE 인증 •데이터 수집 소프트웨어 •적층용 하드웨어

◆ RBC Stackable Burn-In Chambers

Dual chambers equate to maximum flexibility



Despatch's stackable burn-in chambers offer maximum flexibility for small lot qualification testing, burn-in, reliability testing, and research and development.

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 - The Protocol 3™ is a microprocessor based temperature and hi-limit controller that is easy to use for both simple and complex applications. The large, bright LCD displays temperature and detailed information on oven status with clear real-text messages and simplifies programming of temperature and time parameters with user-friendly menus. Datalogging function allows for logging important process data for reporting and analyzing. Data files can be exported via the USB port on the front of the controller or through the communications. Modbus communication (RS485) is standard or you can select the optional ethernet connection.

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



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 (Heater)	208V-1PH-60HZ, 22 AMPs (3 kW) 220V-1PH-50HZ, 23 AMPs (3.3 kW) 240V-1PH-60HZ, 24 AMPs (4 kW)	
1 HP Recirculating fan	600 CFM (283 LPS)	600 CFM (283 LPS)
Approximate Net weight	470 lbs / 213 kg	470 lbs / 213 kg
Approximate Shipping weight	600 lbs / 272 kg	600 lbs / 272 kg

FUNCTIONAL SPECIFICATIONS

Operating range ¹		50°C - 260°C	50°C - 260°C
Maximum dissipation ²	@ 80°C @ 125°C @ 150°C	800 watts 1300 watts 1400 watts	800 watts 1300 watts 1400 watts
Maximum mean temperature gradient (with evenly distributed live load)		4°C @ 80°C 6°C @ 125°C 6°C @ 150°C	4°C @ 80°C 6°C @ 125°C 6°C @ 150°C
Temperature uniformity (empty oven)	@ 125°C @ 260°C	< ±1°C ±1°C	< ±1°C ±1°C
Control stability		± 0.1°C/°C 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.
Recovery time to 125°C (door open 1 min.)		> 1 min.	> 1 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
- ◆ Protocol 3™ control with large LCD display, integrated data logging capabilities and USB port for simple oven set-up and data export
- ◆ 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
- ◆ Ethernet communication connection
- ◆ Casters with brake
- ◆ Redundant hi-limit
- ◆ Chart recorder
- ◆ CE compliant
- ◆ Stacking hardware

SERVICE AND TECHNICAL SUPPORT

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service@despatch.com

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