

Laboratory Drying Ovens

MODEL 2050	- Capacity 50 litres
MODEL 2100	- Capacity 100 litres
MODEL 2150	- Capacity 150 litres
MODEL 2200	- Capacity 200 litres
MODEL 2300	- Capacity 300 litres
MODEL 2400	- Capacity 400 litres
MODEL 2800	- Capacity 800 litres
MODEL 2900	- Capacity 1000 litres

These ovens offer enhanced flexibility and precision performance at the touch of a button.

FEATURES:

- Attractive, easy to use ergonomic design.
- Temperature Range Ambient +5°C to 300°C with selectable heating ramp rate.
- Flexible, accurate and repeatable performance.

Offering the laboratory professional programmable precision performance, the Contherm Thermotec 2000 Series Ovens achieve consistent temperature control over the range of ambient +5°C to 260°C nominal. Operation to 300°C is possible within a programme but if continuous use at these temperatures is envisaged, the HD Variants are recommended. The UD Variants offer safe drying of water-saturated material such as aggregates or herbage. In these models, spillage containment is achieved by the specially configured interior well during the evaporative process.



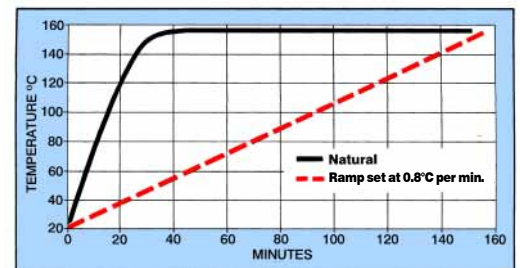
Model 2150

Rapid and continuous drying is achieved by the introduction of warm, dry air. These economically-priced units have been designed to provide a quality production drying/curing and sterilising capability. All models feature an attractive corrosion resistant finish on steel exteriors with rounded corners to enhance user-friendliness and safety. 50mm of specialised insulation surrounds the stainless steel interiors and doors. Positionable perforated stainless steel shelves are also included.

True one-pass air circulation and heating is provided by fan and finned element combinations, controlled by the proven Contherm ZP21 micro-processor-based system. With an easy-to-set and read LED display, the system offers programmable and steady-state operation. In addition, the microprocessor is EEROM backed to retain set-points during power failures. Triple-glazed viewing windows in doors are an attractive option, with interior illumination allowing the visual monitoring of contents without interruption of the chamber environment.

The compression door catch and hinge system ensures leak-proof sealing and cabinet compliance with set points and safety standards even at maximum temperatures.

The Contherm Thermotec 2000 Series Ovens provide the user with maximum performance and reliability, assuring consistent and repeatable results. Manufactured in a quality production environment, these units are built to AS/NZS3350 standards.



Graph shows temperature ramp set at 0.8°C per minute compared to natural rise (default).



Some conditions apply†

Specifications

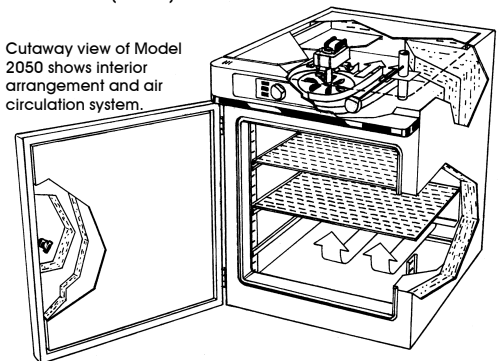
MODEL	2050	2100	2150	2200	2300	2400	2800	2900
Capacity	50 litres	100 litres	150 litres	200 litres	300 litres	400 litres	800 litres	1000 litres
External Dimensions (mm)	Height	655	770	855	915	1215	1550	1550
	Width	520	590	675	785	785	1330	1330
	Depth	540	645	685	720	720	825	985
Internal Dimensions (mm)	Height	335	500	580	640	940	1200	1200
	Width	385	455	540	650	650	1150	1150
	Depth	340	440	485	505	505	540	700
Shelves Supplied	2	3	3	3	4	5	5	5
Load: Watts	900W	1100W	1350W	1350W	1600W	1850W	4200W*	5200W*
Net Weight	40kg	59kg	68kg	86kg	108kg	117kg	275kg	300kg
Packed Weight	46kg	64kg	73kg	95kg	120kg	130kg	300kg	325kg
Timer Range	1 minute to 99hrs 59 mins or continuous							
Air Exchange Rate	*Typically 25 litres. per min. at 105°C vent open (2300 quoted); 140 litres with Option B							
Temperature Range	Ambient +5°C to 260°C continuous (300°C intermittent)							
Temporal Variation	±0.3°C (unloaded at 105°C)						±0.5°C	
Spatial Variation	±2.5°C (unloaded at 105°C)						±3.5°C	
Options available: (Caution: some options may alter specifications)	Tri-Panel window and light		- Option W †		Castors		- Option X	
	High Temperature Variant		- Option HD †		Ultra Drying Variant		- Option UD	
	Earth Leakage C/B		- Option E		Cable Tube (10mm.)		- Option YO	
	Cable Port (40mm.)		- Option YZ					
Power Supply	230 - 240Volt 50Hz 10Amp Grounded Supply						25Amp* 30Amp*	

*Crossflow models. No power plug supplied.

All testing performed with the vent closed

†N.B. The element wattage increases with Option HD and Option W.

Cutaway view of Model 2050 shows interior arrangement and air circulation system.



More technical information is available from the Contherm Techspec Library. Refer to our website for current information. The words 'Contherm' and 'Biocell' are the property of Contherm Scientific Ltd. ‡Warranty covers components and labour for 1 year. Full warranty applies only with regard to published pricelist. The information contained in this brochure is correct at time of printing but is subject to change without notice.

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