



Laboratory Culture Incubators - "Tropicool" Variants

MODEL 1050T	- Capacity 50 litres
MODEL 1100T	- Capacity 100 litres
MODEL 1150T	- Capacity 150 litres
MODEL 1200T	- Capacity 200 litres
MODEL 1300T	- Capacity 300 litres
MODEL 1400T	- Capacity 400 litres
MODEL 1800T	- Capacity 800 litres

The following should be read in conjunction with information covering the entire BIOCELL Series of incubators, as details unique to the Tropicool Variants are described below.

To enable laboratory technicians to deal cost-effectively with bacteriological culturing in the tropics, Contherm has developed the Tropicool system. This entirely new thermoelectric technology represents a significant advance on traditional refrigeration techniques - and gives the Contherm Biocell "Tropicool" variant incubators a new dimension in quality and performance.

The Tropicool thermoelectric system is a reliable, economical and environmentally-friendly means of cooling. The heart of this system and serving as the active cooling element, is a solid state, semiconductor device which contains no moving parts or plumbing, yet is very effective at transferring heat energy.

With low power consumption, operating temperatures down to 22°C at an ambient of 30°C, for instance, can be achieved (see graph). The Biocell "Tropicool" variant incubators enable quality incubating in the tropics, and B.O.D. work in temperate regions. Plate and sample drying problems are greatly reduced with the "Tropicool" system. Higher than "normal" humidities are maintained due to the low temperature difference between the system's cooling fins and the interior air, thus elevating the dew point. The unique fan scroll also contributes to this capability, providing a dynamically-balanced true one-pass air circulation system. An easy-to-set and read digital LED display allows the laboratory professional to operate these incubators up to +50°C with a set-point accuracy of 0.1°C without problems. A range of seven attractive and dependable models is available, to satisfy the diverse needs of laboratory technologists. The Biocell "Tropicool" variant incubators are manufactured in a quality production environment, and are built to NZS6200, AS3100 Electrical Safety Standards.

Featuring Contherm's exclusive **Tropicool**® Thermoelectric Cooling System

This radical new technology enables cost-effective culturing in tropical environments and summer conditions.

- Ozone friendly
- Longer life
- Lower cost
- Lower power consumption
- Less dehumidifying effect
- Low noise levels



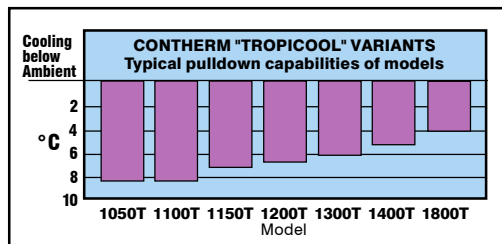
Model 1200T



Model 1300T



Some conditions apply*.

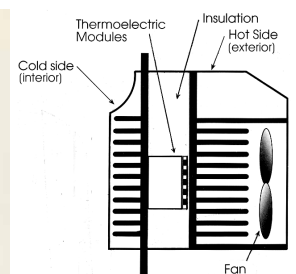


Specifications

MODEL	1050T	1100T	1150T	1200T	1300T	1400T	1800T
Nominal Capacity	50 litres	100 litres	150 litres	200 litres	300 litres	400 litres	800 litres
External Dimensions (mm)	Height	655	770	855	915	1215	1550
	Width	520	590	675	785	785	1380
	Depth	630	730	800	800	800	800
Internal Dimensions (mm)	Height	335	500	580	640	940	1240
	Width	385	455	540	650	650	1220
	Depth	340	440	485	505	505	505
Shelves Supplied	2	3	3	3	4	5	5
Load: Watts	450W	450W	450W	450W	450W	450W	800W
Net Weight	42kg	62kg	70kg	90kg	112kg	122kg	275kg
Packed Weight	46kg	66kg	74kg	98kg	124kg	135kg	325kg
Operating Temperature	See graph showing performance envelope (Maximum +50°C)						
Operating Ambient	10° to 35°C						
Temporal Variation							±0.3°C
Spatial Variation							±1.2°C
Power Supply	230 - 240Volt 50hz 10Amp Grounded Supply						
Controller	ZP21 Digital LED Readout						
Timer	1 minute to 99 hours 59 minutes						
Options	Option X - Castors. Option Z - Cable Port. Option E - RCD.						



Rear view of incubator showing Tropicool unit; standoffs flat.



More technical information is available from the Contherm Techspec library. 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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