



## Designer Series Incubators

*The Contherm Designer Series Incubators... combining precision and good looks with cost-effectiveness.*

With attractive and modern design, the Contherm Designer Series Incubators offer educational and industrial users cost-effectiveness while maintaining a quality incubating capability and featuring:

- Turbo-fan air circulation
- Digital control, LED readout plus timer
- Over-temperature safety control



Model 7050 Designer Series



Some conditions apply †

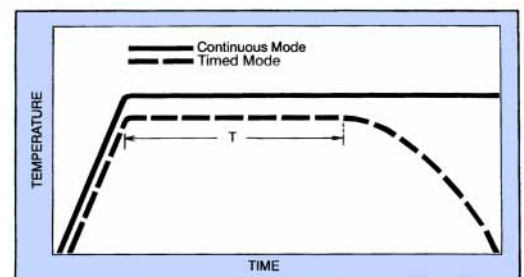
### Specifications

MODEL	7050	7100	7150
Dimensions: External (H x W x D)	550 x 550 x 535	790 x 550 x 535	850 x 550 x 680
Dimensions: Internal (H x W x D)	420 x 400 x 360	660 x 400 x 360	710 x 400 x 500
Capacity	50 litre	100 litre	150 litre
Shelves	1 perforated stainless steel	1 perforated stainless steel	2 perforated stainless steel
Weight	30kg	41kg	46kg
Packed Weight	38kg	51kg	57kg
Packed Dimensions	710 x 620 x 620	950 x 620 x 620	1000 x 690 x 720
Timer Range	1 minute to 99h 59m or continuous		
Temperature Range	Ambient +5°C to 100°C continuous		
Temporal Variation (Tolerance)	±0.1°C		
Spatial Variation (Uniformity)	±0.2°C		
Control System	ZP21 microprocessor-based digital system		
Automatic/Manual Safety	2.0°C above and below set point. User-adjustable high limit. Safety fuse.		
Power Requirements	230Vac 50Hz 250W	230Vac 50Hz 300W	230Vac 50Hz 350W

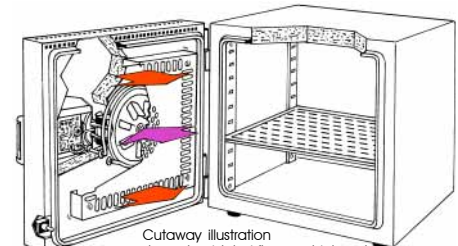
All testing performed at 37°C in an ambient of 20°C. All measurements as prescribed by AS2853

The Contherm Designer Series Incubators can achieve consistent temperature control over the range of ambient +5°C to 100°C. An efficient turbofan-driven\* toroidal air and heating system blows pre-heated air across and through shelves, assuring even circulation, and is controlled by the proven Contherm ZP21 microprocessor-based system. With an easy-to-set and read LED display, the system offers precision steady-state operation, with audible and visual alarms for over and under temperature, plus a selectable 100 hour timer. In addition, the system is EEROM backed to retain the calibration factor and set-points for audit purposes after power failures. The door is fitted with a soft-closing magnetic seal to ensure jar-free culture growth, with an integral switch to interrupt fan and heating when door is opened. In line with modern incubator practice, an inner glass door is neither fitted nor is necessary, as access to the interior is likely to be required on a regular basis. All models feature an attractive corrosion-resistant finish on steel exteriors, with 50mm of specialised insulation surrounding the polished stainless steel interiors and doors. All controls and active components are in the door which can be removed as a unit for service should this be necessary. Perforated anti-tilt stainless steel shelves, adjustable at 40mm increments are also included. The Contherm Designer Series Incubators offer the laboratory professional maximum performance and reliability in an attractive and economical package. Manufactured in a quality production environment, these units are designed to AS/NZS3350 and IEC335 electrical standards, and carry the CE Mark.

\*NOTE: air movement will remove moisture from culture if exposed.



Graph shows typical dynamic performance of incubator



Cutaway illustration shows toroidal airflow and internal detail of Model 7050 Designer Series

More technical information is available from the Contherm Techspec Library. Refer to our website for current information. The word 'Contherm' is 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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