

**DESIGNER**  
**SERIES**

**Designer Series Ovens**

*The Contherm Designer Series Ovens. Combining precision and good looks with cost-effectiveness.*

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

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

The Contherm Thermotec Designer Series Ovens can achieve consistent temperature control over the range of ambient +5°C to 260°C (nominal). Rapid and continuous drying is achieved by the introduction of warm, dry air regulated by an adjustable vent.

An efficient fan-driven toroidal air and heating system assures 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 compression door catch and hinge system ensures leak-proof sealing for low thermal and fume loss, with an integral switch to interrupt fan and heating when door is opened.

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 Thermotec Designer Series Ovens 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.

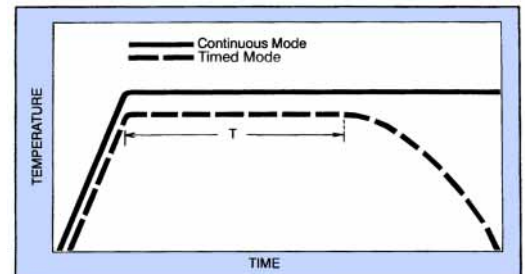


Model 8050 Designer Series

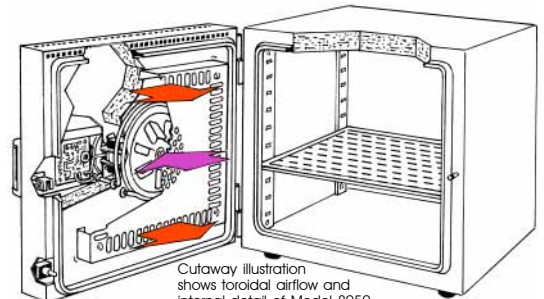
**Specifications**

| MODEL                    | 8050  | 8100                         | 8150                         |
|--------------------------|---|------------------------------|------------------------------|
| Dimensions: External     | 550 x 550 x 520   | 790 x 550 x 520              | 860 x 550 x 660              |
| (H x W x D) Internal     | 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            | 39kg  | 48kg                         | 61kg                         |
| Packed Dimensions        | 700 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 260°C continuous  |                              |                              |
| Temporal Variation       | ±0.2°C (unloaded at 105°C)  |                              |                              |
| Spatial Variation        | ±2.5°C (unloaded at 105°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 650W  | 230Vac 50Hz 850W             | 230Vac 50Hz 1050W            |

All testing performed with the vent closed



Graph shows typical temperature rise



Cutaway illustration shows toroidal airflow and internal detail of Model 8050 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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\*Some conditions apply.