# Laboratory Incubators

***Designed and manufactured in Australia by Thermoline Scientific***

Thermoline
SCIENTIFIC

# Proudly Family-Owned and Operated

Today, we remain a proud second-generation family business

A family owned Australian business

# Laboratory Incubators

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**The Thermoline Benchtop Incubator range is designed and manufactured to provide safe and precise temperature conditions for your research and samples stored inside. With a digital microprocessor controller and a temperature range from ambient +5°C to +60°C, our benchtop incubator is the economical choice for all non-critical samples requiring incubation.**

Thermoline has eight laboratory incubators available, all designed and manufactured in Australia. This is the benchtop range and is made to meet your clinical environment's high standards; our benchtop incubators are innovative, easy to use and deliver consistent performance.
Thanks to the simple switch on the front of the incubator, you can change between fan-forced and natural convection whenever you need.
The 20L to 120L models all feature an option (standard on TI-280F) for an internal clear perspex door allowing the operator to open the outer door and view their samples inside without interrupting the temperature conditions.


## "This product is Proudly Australian Made."

**Thermoline Scientific have been manufacturing and distributing high quality laboratory and scientific testing equipment since 1970. Over this time, Thermoline has grown to be a leading brand in the science industry.**

## "Built to last, using the best materials."

Thermoline Scientific uses the best materials that are able to withstand prolonged use and maintain their structural integrity. Materials such as Galvanised Steel, Aluminium, Zinc and Stainless Steel are commonly used in products that are subject to wear and tear. Benefits of these materials include:

- **Corrosion resistance.**
- **Lightweight.**
- **High load stress resistance.**
- **Low Maintenance.**

## Our difference is in our commitment

For over 50 Years we have provided industry leading equipment and service


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LABORATORY INCUBATOR

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## "Providing the new industry standard since 1970."

**Since 1970, Thermoline lab equipment has been the proven industry standard. Our products appear in thousands of labs across the country and have been trusted for all general or critical research applications.**

**2 Year Warranty!**
Thermoline offers a comprehensive two years parts and labour warranty on all Australian Made products.


- **Australian Made:**
  This range is designed and manufactured by Thermoline. We proudly promote and support the Australian Made logo.
- **Proven Reliability:**
  With Thermoline's long-standing track record of consistent performance through the use of durable materials and rigorous testing, you can trust in our product's dependable performance.
- **Stainless Steel Interior:**
  Stainless steel is durable, easy to clean and corrosion-resistant, making it the perfect choice for high heat tasks. 316 marine-grade stainless steel is used here to ensure the most corrosive-resistant liner possible.

**'Thermowall Heating' Displayed in Thermolines Economy Incubators**

- **Fan Forced or Natural:**
  Fan-forced systems use a fan to circulate warm air, while natural convection systems rely on the gentle upward movement of warm air to circulate heat. These incubators allow you the choice of either method via a switch in the front control panel.
- **Digital PID Microprocessor Controller:**
  The Omron E5CC uses an automated programmable microprocessor to control the temperature within +/-0.1C. The bright LED display has a range of functions, including high and low alarming, temperature calibration and optional programmable ramp/dwell functions.
- **Thermo-Wall Heating:**
  Our unique Thermo-Wall heating consists of heating pads fixed to the exterior of the liner that are controlled by the cabinet's Omron PID controller. This creates an environment where heat is uniformly distributed from all sides and through the floor.

Australian Government · NSW Health · CSIRO · The University of Sydney · Pfizer · Monash University

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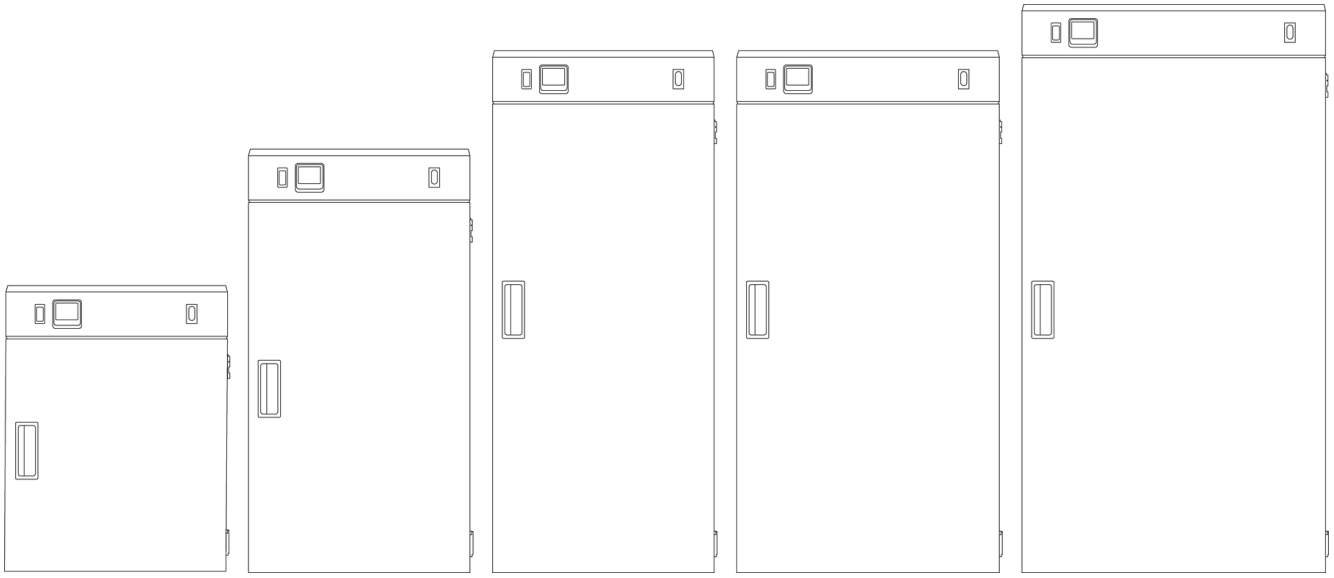
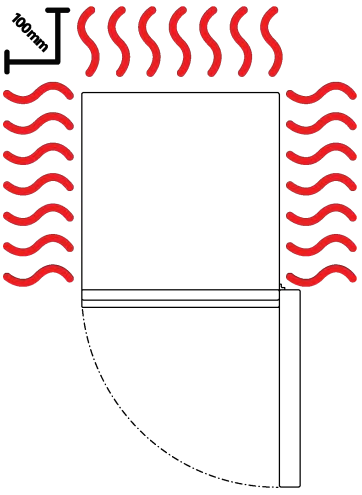


***Dimensions***

| ***External*** | TI-20F | TI-50F | TI-80F | TI-120F | TI-280F |
|---|---|---|---|---|---|
| WxDxH (mm) | 370x380x470 | 370x380x720 | 370x380x910 | 465x485x985 | 570x595x1235 |
| ***Internal*** | | | | | |
| WxDxH (mm) | 300x300x235 | 300x300x485 | 300x300x675 | 395x405x735 | 500x505x985 |

| ***Clearance*** | TI-20F | TI-50F | TI-80F | TI-120F | TI-280F |
|---|---|---|---|---|---|
| Front (mm) | 370 | | | 465 | 570 |
| Back (mm) | 100 | | | | |
| Sides (mm) | 100 | | | | |




**See our premium upright range!**
360L, 520L and 1100L

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| ***Technical Specification*** | **TI-20F** | **TI-50F** | **TI-80F** | **TI-120F** | **TI-280F** |
|---|---|---|---|---|---|
| **Temperature Range** | **Ambient +5°C to +60°C** | | | | |
| **Temperature Control Stability** | **+/- 0.1°C** | | | | |
| **Temperature Uniformity** | **With Fan +/- 0.25°C \| Without Fan +/- 0.5°C** | | | | |
| **Nominal Capacity** | **20L** | **50L** | **80L** | **120L** | **280L** |
| **Porthole Diameter** | **13mm** | | | | |
| **Weight** | **15kg** | **18kg** | **30kg** | **50kg** | **80kg** |
| **Electrical** | **100W/230V** | **130W/230V** | **175W/230V** | **310W/230V** | **515W/230V** |

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| ***Features*** | **TI-20F** | **TI-50F** | **TI-80F** | **TI-120F** | **TI-280F** |
|---|---|---|---|---|---|
| **Shelves** | 2 | 3 | 4 | 4 | 5 |
| **Castors** | X | X | X | X | Optional |
| **Internal Fan** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Natural Convection** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Omron E5CC Controller** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Solid Door** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Inner Perspex Door** | Optional | | | | ✔ |
| ***Safety*** | | | | | |
| **Over Current Protection** | ✔ | ✔ | ✔ | ✔ | ✔ |
| **Over Temperature Safety** | ✔ | ✔ | ✔ | ✔ | ✔ |
| ***Options*** | | | | | |
| **BMS Plug** | No volt contact closure plug and socket connection to a Building Management System | | | | |
| **Additional Shelves** | Additional Stainless Steel shelves to suit | | | | |
| **Door Locks** | Key lockable door locks | | | | |
| **Customisable Port Hole** | Add additional 13mm port holes or choose 50mm port holes | | | | |
| **Inner Perspex Door** | Internal viewing door allows for door openings without losing the temperature conditions | | | | |
| **Castors** | Castors can be fitted to allow for easy moving of the cabinet. Not recommended for bench mounted cabinets. | | | | |


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# We are proudly Australian owned

We will continue to invest in Australian manufacturing.