



Australia's premium manufacturer  
of medical and laboratory products

## Product Specification Sheet

|        |                           |
|--------|---------------------------|
| Series | Seed germination chambers |
|        | LED Lighting              |
|        | Temperature and Humidity  |
| Model  | sgledt-rh-170             |

170 litre seed germination chamber  
LED lighting  
Temperature and humidity control



\*Specifications subject to change without notice

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Series Seed germination chambers  
LED Lighting  
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170 litre seed germination chamber  
LED lighting  
Temperature and humidity control

|                       |                                   |
|-----------------------|-----------------------------------|
| Chamber capacity      | 170 Litres                        |
| Chamber width         | 700 mm                            |
| Chamber depth         | 600 mm                            |
| Chamber height        | 405 mm                            |
| Chamber material      | Stainless Steel 304L              |
| External width        | 866 mm                            |
| External depth        | 784 mm                            |
| External height       | 1085 mm                           |
| External material     | Durable epoxy powder-coated steel |
| Recommended clearance | 75mm on sides and rear            |
| Temperature range     | 4 to 50C                          |
| Temperature sensor    | Pt100                             |
| Control accuracy      | 0.1 C                             |
| Temporal stability    | 0.2 C                             |
| Shelves supplied      | 2                                 |
| Shelf dimensions      | 690 x 590 mm                      |
| Shelf spacing         | 84 mm                             |
| Shelf capacity        | 50 KG                             |
| Insulation type       | Mineral Wool - asbestos free      |
| Insulation thickness  | 50mm                              |
| Compressor size       | 1/3 HP                            |
| Refrigerant           | CFC-Free R134a                    |



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170 litre seed germination chamber  
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Temperature and humidity control

|                    |   |
|--------------------|---|
| Lighting source    | Waterproof LED - side mounted on each shelf position                            |
| Growth height      | 90mm  |
| Growth area        | 1.6m <sup>2</sup> (4 shelves)   |
| Maximum intensity  | 1250 LUX (Infinitely adjustable)  |
| Adjustability      | Infinitely adjustable intensity   |
| Lighting colours   | Cool white<br>Warm white<br>Combination (Cool & Warm white)                     |
| Electrical supply  | Single phase, 220 - 240V, 50 - 60 Hz<br>(alternatives available on request)     |
| Element rating     | 0.75 kW   |
| Circulating fan    | 1   |
| Controller type    | Multifunction intelligent digital PID-microprocessor                            |
| Readout            | Digital LCD readout of set and actual temperature                               |
| Temperature alarms | High   low   deviation  |
| Diurnal Control    | Automatic switching between selected Day and Night<br>Temperatures (and lights) |
| Country of origin  | Australia   |



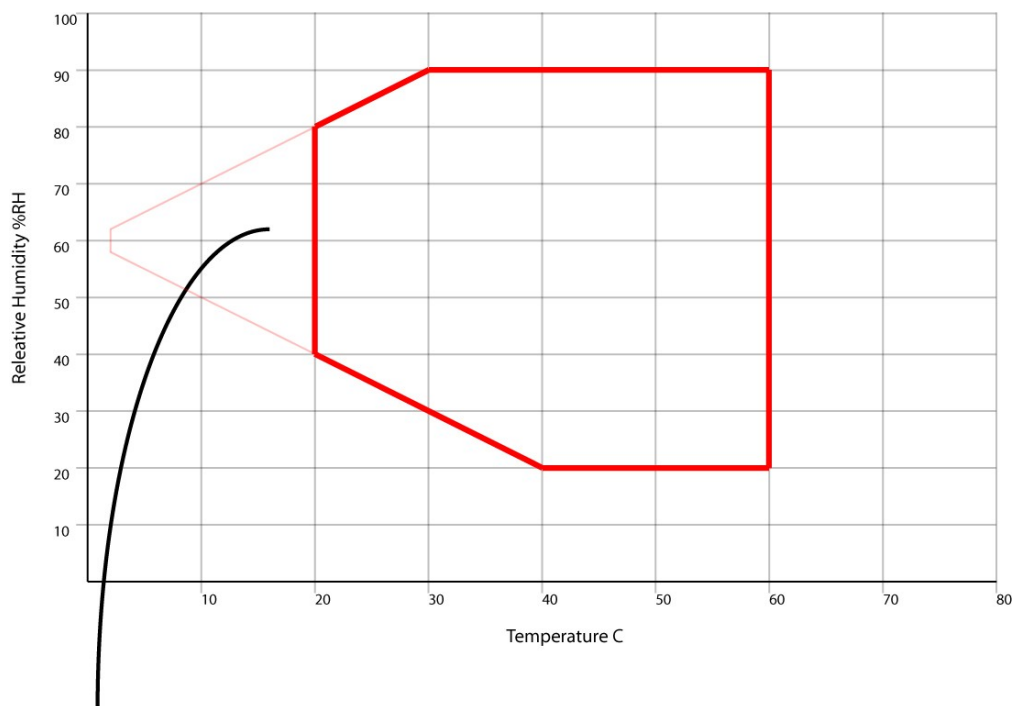
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170 litre seed germination chamber  
LED lighting  
Temperature and humidity control

|                    |             |
|--------------------|-------------|
| Humidity Range     | 20 - 90% RH |
| Humidity sensor    |             |
| Control accuracy   | 0.1 %       |
| Temporal stability | 0.5 %       |



If the temperature setpoint is below 20 or above 80C, the RH control will be disabled and the chamber will adopt a natural value depending on the internal chamber conditions

This graph is a guide only  
Variations to the envelope can occur due to ambient conditions,  
the intensity of internal lighting, heat loads or humidity loads,  
and the nature of the product placed within the chamber.



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### Options / Accessories

- Additional shelves
- 8 Step programmable controller
- 500 Step programmable controller
- Inner viewing door - toughened glass
- Double glazed glass door
- Side access port - 50 mm
- Fan speed controller
- Internal power supply\*
- Inner viewing light - LED\*
- RS232 or RS485 comms module
- Ethernet comms module
- ISPM 15 compliant crating for export
- Calibration certificate
- Co2 Control (ambient to 3000ppm)

\*Maximum temperature limited to 50C