AUSTRALIAN MADE®

STERIDIUM

Australia's premium manufacturer
of medical and laboratory products

Product Specification Sheet

Series	Algae growth chambers LED Lighting Temperature and Humidity
Model	agc-rh-800

800 litre LED algae growth chamber
Temperature and humidity control

*Specifications subject to change without notice

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800 litre LED algae growth chamber
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Chamber capacity	800 Litres
Standard dual chamber design	1 set of shelves per door
Chamber width	705 mm
Chamber depth	600 mm
Chamber height	849 mm
Single chamber design	Optional
Chamber width	1490 mm
Chamber depth	600 mm
Chamber height	849 mm
Chamber material	Stainless Steel 304L
External width	1895 mm
External depth	762 mm
External height	1440 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
Available shelf positions	16 (8 per door)
Shelves supplied	4 (2 per door)
Shelf dimensions	690 x 590 mm
Shelf spacing	95 mm
Shelf capacity	50 KG
Insulation type	Mineral Wool - asbestos free
Insulation thickness	50mm

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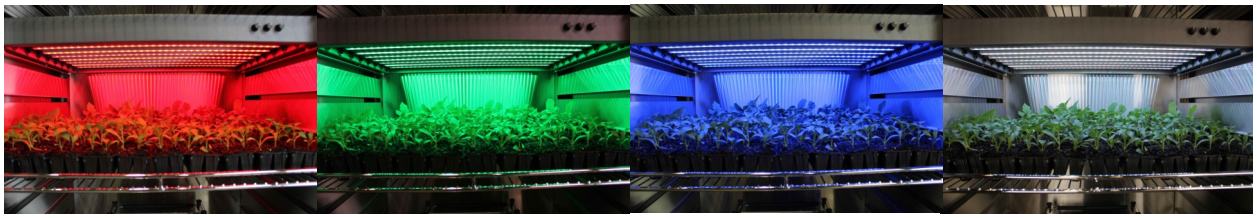
Compressor size	3/4 HP
Refrigerant	CFC-Free R134a
Lighting source	Bi-Directional (up/down) Waterproof LED Cassettes Lighting directly above and below entire shelf
Growth area	0.4m2 (per shelf)
Maximum intensity	200µmol/m2/sec
Lighting colours	Lighting cassettes comprised of any combination of: Warm White Cool White Red Green Blue RGB Combination—Variable spectrum



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Electrical supply	Single phase, 220 - 240V, 50 - 60 Hz (alternatives available on request)
Element rating	2 kW
Circulating fan	2
Controller type	Multifunction intelligent digital PID-microprocessor
Readout	Digital LCD readout of set and actual temperature
Temperature alarms	High | low | deviation
Programmable Control	500 step programmable control of temperature, humidity and lighting
Country of origin	Australia

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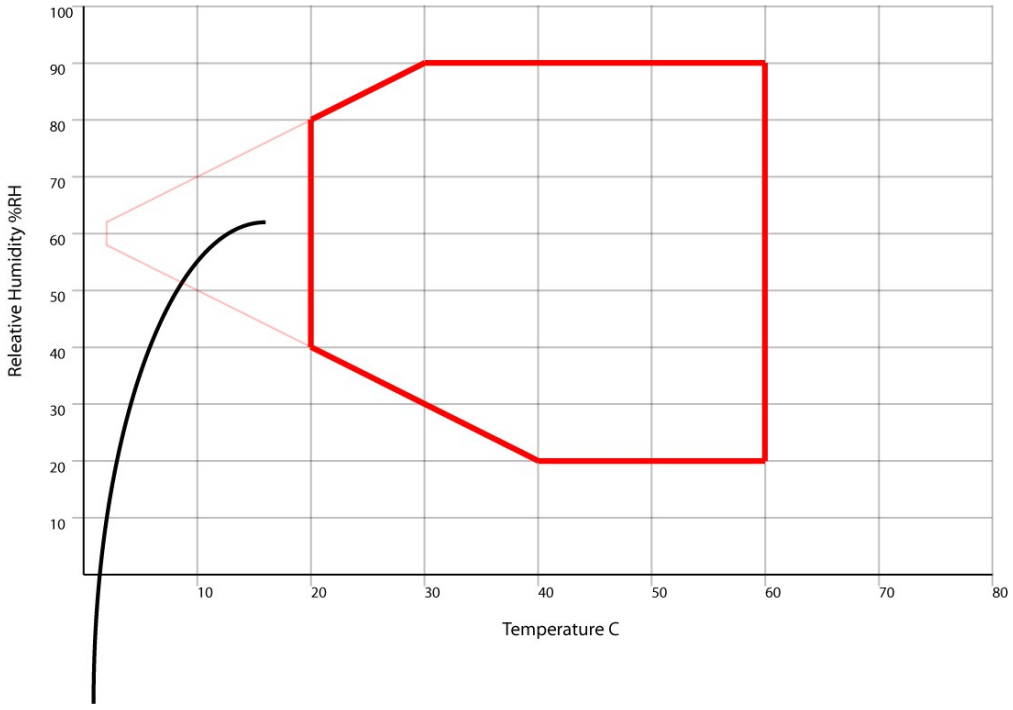
Humidity Range	20 - 90% RH
Humidity sensor	
Control accuracy	0.1 %
Temporal stability	0.5 %



If the temperature setpoint is below 20 C, 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

- Single chamber design
- Additional shelves
- Inner viewing door - toughened glass
- Double glazed glass door
- Side access port - 50 mm
- Fan speed controller
- Internal power supply*
- 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