AUSTRALIAN MADE ®

STERIDIUM

Australia's premium manufacturer
of medical and laboratory products

Product Specification Sheet

Series	Algae growth chambers
	LED Lighting
	Temperature only
Model	agc-2400

**2400 litre LED algae growth chamber
Temperature only**

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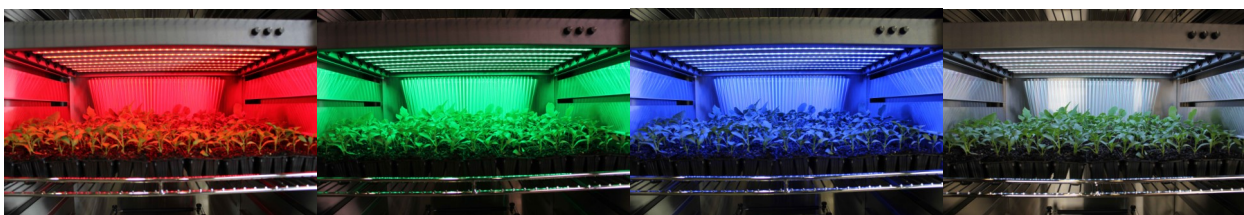|	
Chamber capacity	2400 Litres
Standard dual chamber design	1 set of shelves per door
Chamber width	865 mm
Chamber depth	900 mm
Chamber height	1434 mm
Single chamber design	Optional
Chamber width	1809 mm
Chamber depth	900 mm
Chamber height	1434 mm
Chamber material	Stainless Steel 304L
External width	2214 mm
External depth	1067 mm
External height	2056 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	30 (15 per door)
Shelves supplied	6 (3 per door)
Shelf dimensions	690 x 590 mm
Shelf spacing	87 mm
Shelf capacity	50 KG
Insulation type	Mineral Wool - asbestos free
Insulation thickness	50mm

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Compressor size	1 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
Diurnal Control	Automatic switching between selected Day and Night Temperatures (and lights)
Country of origin	Australia

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Options / Accessories

- Single chamber design
- 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*
- 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