

## SGC 110 Plant Growth Chamber

The SGC 110 Plant Growth Chamber is the newest addition to the market leading range and is centred on a core attribute of versatility.

The brand new SGC 110 Plant Growth Chamber combines **lines** and cost effectiveness with unequalled **ity** and durability.



Available with a range of shelving and lighting options, the SGC 110 can provide a shelf space of 4.5m<sup>2</sup>. Lighting can also be altered to suit individual requirements, ranging from a single bank of 620  $\mu\text{mol m}^{-2} \text{s}^{-1}$  for large plant studies, to 5 levels of 100  $\mu\text{mol m}^{-2} \text{s}^{-1}$  emphasising the versatility of the unit.

An optional humidifier capable of providing up to 80% relative humidity is also available, further widening the range of capabilities that the SGC 110 can provide.

The SGC 110 offers a 'future proof' solution with excellent control performance to cope with the changing demands of plant research.

### BENEFITS

- Flexible shelving options giving up to 4.5m<sup>2</sup>
- Fully adjustable lamp trays
- Interchangeable lamps including UV lamps
- Accommodates a wide range of plant specimens
- Shelf lighting individually controllable
- Dimmable lighting intensity 10%-100%
- Minimal footprint size, using less laboratory space
- Cost effective
- Optional low energy ultrasonic humidity generator available - up to 80% relative humidity
- User friendly, easy to use eye level controls
- Roof mounted climate conditioning for ease of installation
- Easy access for maintenance
- Independent hi-lo safety thermostats
- Mutable audio/visual alarm
- External alarm contacts

## Shelving & Lighting Options

Two shelves:	6 x 36W fluorescent tubes per shelf Max intensity approx 290 $\mu\text{mol m}^2 \text{s}^{-1}$ @ 150mm below tube @ 25°C Max height between shelves 623mm
Three shelves:	4 x 36W fluorescent tubes per shelf Max intensity approx 170 $\mu\text{mol m}^2 \text{s}^{-1}$ @ 150mm below tube @ 25°C Max height between shelves 400mm
Four Shelves:	3 x 36W fluorescent tubes per shelf Max intensity approx 140 $\mu\text{mol m}^2 \text{s}^{-1}$ @ 150mm below tube @ 25°C Max height between shelves 250mm
Five shelves:	2 x 36W fluorescent tubes per shelf Max intensity approx 100 $\mu\text{mol m}^2 \text{s}^{-1}$ @ 150mm below tube @ 25°C Max height between shelves 174mm

## Chamber size

Interior:	1,300mm (w) x 690mm (d) x 1,480mm (h)
User access:	Two lockable, front opening doors, sized 705mm (w) x 16,00mm (h)
Volume:	1100 litres nominal
External:	1420mm (w) x 800mm (d) x 1980mm (h)

## Performance

Temperature Range:	-2°C to +40°C lights off +5°C to +35°C lights on
Temp. Stability:	+/-0.3°C fluctuation
Humidity (optional):	60% - 80% RH – temperature dependent Low energy ultrasonic humidity generator & capacitive humidity sensor

Safety:	User settable hi/low temperature alarms with remote contact Audible & visual alarm indicators
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## Construction

Interior:	Corrosion resistant stainless steel
Exterior:	Painted, protected steel with a textured finish
Mobility:	Lockable castors enable the chamber to be moved

Service Req'ments: 230v, 50Hz, 13amp max.

Water Req'ments: De-mineralised water (humidity option only)

All figures subject to alteration without notice

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