



Plant Growth Chamber

A variety of temperature, humidity, and illumination patterns necessary for biological and ecological study can be precisely reproduced and controlled using the Cominus Standard series plant growth chamber. Insect incubation and rearing as well as good plant germination and growth are all supported by the atmospheric conditions produced by the growth climate chamber.

Variety of Application

It can be used for a variety of purposes, including quality assurance testing, durability testing, and reliability testing. It is built with a wide temperature range, different lighting patterns, and optional humidity control.

Superior Uniformity

The chamber's mild air circulation helps to maximise temperature homogeneity at all shelf levels. The slim profile cabinet offers great performance with low room consumption when combined with an ergonomic design.

Easy to use microprocessor PID Control

Temperature variations are eliminated by the microprocessor PID and refrigeration capacity management, which enhances total temperature control. This enables more accurate experimentation while also being energy-efficient.

Scientific Applications

- Plant nurturing and genetic research for crops and flower acclimation
- Photomorphogenesis, the research on photosynthesis
- Seed storage
- Germination
- Testing of illumination deterioration on sales products such as food and cosmetics
- Phytopathology, the study of diseases in plants caused by pathogens and environmental conditions
- Quality testing and reliability testing of food products and cosmetic products
- Acceleration testing and long-term testing for pharmaceutical drugs and medicines

Technical Specifications:-

Model No		CM-PGC-S-20	CM-PGC-S-40	CM-PGC-S-60	CM-PGC-S-100
Volume	Ltrs	200	400	600	1000
Internal Size	mm	800x500x500	1200x600x600	1200x625x800	1500x800x800
External Size	mm	1300x700x1100	1700x800x1150	1700x825x1200	2050x995x1400
Temperature	°C	Light On 15 to 50	Light On 15 to 50	Light On 15 to 50	Light On 15 to 50
		Light off 10 to 50	Light off 10 to 50	Light off 10 to 50	Light off 10 to 50
Photoperiodic System		Programmable	Programmable	Programmable	Programmable
Humidity		55% to 95%	55% to 95%	55% to 95%	55% to 95%
Alarm		Audio Visual	Audio Visual	Audio Visual	Audio Visual
Safety Device		Low/High Temp	Low/High Temp	Low/High Temp	Low/High Temp



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<https://cominus.in/>

**Office:- D-132 Sec 4 Bawana
DSI IDC Complex Delhi-110039**

Landline:- 011-47553098

Mob:- 9027822747, 9667529087 Email:- sales@cominus.in