

PLANT GROWTH CHAMBER



FOLLOWING STEPS TO BE FOLLOWED FOR MAINTAINING THE ADEQUATE TEMPERATURE RESULTS.

FOR "PLANT GROWTH CHAMBER"

1. Operating room temperature (ambient) conditions for your **PLANT GROWTH CHAMBER** should be **between 18 °C to 25 °C**
2. **Temperature Uniformity:**
After setting the chamber temperature, wait at least 1 hour for the chamber temperature to stabilize to ambient conditions. To achieve maximum temperature stability.

TECHNICAL SPECIFICATION :

Name of the Equipment	Plant Growth Chamber
Display	Digital PID Temperature controller
Temperature range	10 ° C to 60 ° C WITH LIGHT ON 5 ° C to 60 ° C WITH LIGHT OFF
Temperature accuracy	± 0.2 ° C
Humidity range	40 % to 98 %
Humidity accuracy	± 2 ° C
Illumination (LUX)	Up to 20000
Construction	The inner chamber is made of stainless steel 304 with a Mirror finish, and the outer chamber is made of mild steel powder coated. The double-wall construction has PUF insulation.
Advantage	Energy saving low power and water consumptions.
Air Circulation	Motor and blower arrangement to have uniformity of under loaded condition.
Alarm	Temperature deviation alarm Humidity deviation alarm water level alarm compressor failure alarm steam generator failure alarm door open alarm
Trays	<i>Stainless Steel plant growth trays</i>
Florescent Light	<i>Cool white florescent light</i>

Insulation	75mm Thick CFC free PUF Insulation.
Heating System	U shaped S.S. Nichrome wire air heaters.
Illumination	Illumination 50000 Lux
Tray Distance	Light to trays distances 1 feet each tray
Observation Door	Inside see through glass door
Refrigeration System	Hermetically Sealed CFC Free Emerson Compressor with R 134a refrigerant having state of art by pass system for continues run of compressor. Make Emerson
Humidity System	Steam injection system with water level arrangement with insulation to save heat energy.
Power	Works on 230 V AC Single phase 50Hz

ORDERING INFORMATION FOR STD / GMP MODELS:

CAT. NO. & MODEL		Capacity Ltrs	Internal Dimension WxDxH (cm)	External Dimension WxDxH (cm)	Inner / Outer Body Material	No. of Tray
PGC/MS STD - 100	PGC/MS GMP - 100	100	43x40x60	58x72x129	SS 304/MS	2
PGC/MS STD - 200	PGC/MS GMP - 200	200	50x40x100	65x72x169	SS 304/MS	3
PGC/MS STD - 300	PGC/MS GMP - 300	300	56x45x120	71x77x189	SS 304/MS	4
PGC/MS STD - 400	PGC/MS GMP - 400	400	63x53x120	78x85x189	SS 304/MS	4
PGC/MS STD - 600	PGC/MS GMP - 600	600	72x65x130	87x97x192	SS 304/MS	4
PGC/MS STD - 800	PGC/MS GMP - 800	800	112x60x120	137x92x192	SS 304/MS	8
PGC/MS STD - 1000	PGC/MS GMP - 1000	1000	115x67x130	140x99x192	SS 304/MS	8