

Plant Growth Chambers



Temperature Range: 10°C - 35°C Lights On
5°C - 35°C Lights Off

Humidity Range: 40%Rh to 90%Rh Lights On
40%Rh to 90%Rh Lights Off

Complete Controlled Environment....

Standard Equipments

- Doubled walled with PUF insulation
- SS 304 Interior & exterior either SS 304 or Mild Steel
- Adjustable Stainless steel trays. Growth height can be adjusted by adding or removing the trays
- Full-length inner glass door & metal door with gasket & lock on the outside.
- LED lights, Day/night programmable cycle
- Forced air circulation for Uniform temperature
- PU wheels for easy movements
- U shaped SS tubular heater
- Steam based Humidification system with automatic water level control
- CFC free cooling system consists of hermetically sealed compressor coupled with evaporation coil and condenser.
- Complete operation driven through PLC with data logging capacity of up to 1000 readings
- Printer interface facility
- All operations through a 4" color touch screen display
- High quality Euporean make Temperature & Humidity combo sensor with 4-20mA output.
- Safety device: Low & High temperature cut-off settable thermostats high humidity cut off device
- Audio- visual alarms for deviations
- Operation & Maintenance Manual

Power Supply: 230 Volts, 50 Hz mains supply. Also available with 60 Hz cycle.

Optional Accessories

- Co₂ control 0-1000 ppm.

Plant Growth Selection Guide (Model with Interior & Exterior made of Stainless Steel)

Model	Capacity		Internal Size (H*W*D) mm	External Size (H*W*D) mm	Trays Qty.	Trays Size (W*D) mm	Approx. Weight (Kg)	
	CuFt.	Liter					Equip.	Ship.
NLPG7SI	7	200	800 X 500 X 500	1295 X 640 X 990	3	430 X 460	150	225
NLPG16SI	16	430	1200 X 600 X 600	1695 X 740 X 1110	4	530 X 560	250	325
NLPG26SI	26	735	1500 X 700 X 700	2050 X 840 X 1210	5	630 X 660	275	350
NLPG34SI	34	1000	1500 X 800 X 800	2050 X 940 X 1310	5	730 X 760	350	425
NLPG54SI	54	1500	1500 X 1600 X 600	2050 X 1740 X 1125	10	695 X 560	350	450
NLPG71SI	71	2000	1500 X 1600 X 800	2050 X 1740 X 1325	10	695 X 760	375	475

* Models with exterior of mild Steel & interior of SS 304 will be available on request.

Features

PLC Control



Touch Screen



Alarms



Safety

