

# Walk-in Plant Growth Chambers



**Temperature Range:** 0°C - 60°C Lights Off

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

# Assured Uncompromising Performance...

## Standard Equipments

- Doubled walled with 80 mm PUF insulated modular panels which can be easily assembled at site
- SS 304 Interior & Exterior made of either pre-coated GI sheet or SS 304
- Stainless steel trays
- Observation window - 300mm x 300mm
- LED lights, Day/night programmable cycle
- Light Intensity Range (LUX) - upto 20,000 LUX
- U shaped SS tubular heater
- Flooring of linoleum carpet
- Forced air circulation for Uniform temperature
- Steam Based Humidification system with automatic water level control
- CFC free cooling system consists of hermetically sealed compressor coupled with evaporation coil and condenser.
- System is made up of Condenser unit in well-ventilated area to avoid throw of hot air in the room
- Complete operation driven through PLC with data logging capacity of up to 1000 readings
- Printer interface facility
- All operations through a 7" color touch screen display
- High quality European make split type 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 / 440 Volts, 50 Hz mains supply. Also available with 60 Hz cycle.

## Optional Accessories

- CO<sub>2</sub> control 0-1000 ppm.

## Walk-In-Plant Growth Selection Guide (Model exterior made of pre coated GI sheet with Interior made of Stainless Steel)

| Exterior & Interior are of stainless steel (SS 304) | Capacity |       | Internal Size      | External Size      | Trays Qty. | Tray Size. |
|---|----------|-------|--------------------|--------------------|------------|------------|
|   | CuFt     | Litre | (H*W*D)mm          | (H*W*D)mm          |            | mm         |
| NLWH184SI   | 184      | 5160  | 2000 x 1500 x 1720 | 2120 x 1620 x 1840 | 8          | 650 x 350  |
| NLWH278SI   | 278      | 7790  | 2000 x 1900 x 2050 | 2120 x 2020 x 2170 | 8          | 800 x 550  |
| NLWH300SI   | 300      | 8400  | 2000 X 2000 X 2100 | 2160 X 2160 X 2100 | 24         | 870 X 600  |
| NLWH360SI   | 360      | 10080 | 2400 X 2000 X 2100 | 2560 X 2160 X 2260 | 32         | 870 X 600  |
| NLWH428SI   | 428      | 12000 | 2400 X 2000 X 2500 | 2560 X 2160 X 2660 | 48         | 700 X 600  |
| NLWH552SI   | 552      | 15480 | 2400 X 2500 X 2580 | 2560 X 2660 X 2740 | 48         | 700 X 800  |
| NLWH660SI   | 660      | 18480 | 2400 X 2660 X 3240 | 2560 X 2660 X 3240 | 48         | 870 X 800  |

\* Models with exterior of pre-coated GI & interior of SS 304 will be available on request.

## Features

PLC Control



Touch Screen



Alarms



Safety

