



PLANT GROWTH CHAMBER LD-LPGC-D1 SERIES

www.labodam.com | info@labodam.com

Plant Growth Chamber LD-LPGC-D1 Series is an internal humidification system, providing uniform humidity range from 40% to 95% RH, suitable for efficient plant growth. Designed with true color touchscreen display for viewing and controlling the technical parameters to ensure flexible operation. Integrated with superior quality compressor and sensor to enhance accuracy of the chamber.

Features

- Cycle mode: Forced convection, rear micropore, and supply air in front of plate
- Internal humidification system for uniform distribution of humidity
- Full spectrum adjustable multistage for the convenience of the user
- LUX and RH controller enhances efficiency of the equipment
- Full spectrum LED top light source design ensures great illumination
- Low thermal radiation from light source enhances reliability
- Removable light partition and adjustable light space for ease of handling
- Automatic water intake with water shortage alarm for smooth operation of device
- Backflow valve and expansion valve controls evaporator temperature with great precision
- Low maintenance tool due to extended service life of compressor
- 7-inch true color touchscreen display for visualization and managing technical parameters

Applications

Plant Growth Chamber LD-LPGC-D1 Series is widely used for growth of plant cell tissues and seedling across sectors of biotechnology, agriculture, cell biology, academics, research laboratories, etc.

Specifications

Model No.	LD-LPGC-D10
Chamber Volume	250 L
Shelves	4 pcs
Temperature Resolution Ratio	0.1 °C
Temperature Range	Without Lighting: 0 to 65°C With lighting:10 to 65°C
Temperature Uniformity	± 1.0 °C
Humidity Range	40% to 95% RH

Plant Growth Chamber LD-LPGC-D1 Series

Humidity Motion	± 5% RH
Lighting Intensity	Full Spectrum 0 to 30000 LX, many degrees adjustable
Light Barrier	Standard 4-layer full spectrum LED lamp board
Power Supply	AC 220 V, 50/60 Hz
Sensor	PT100
Interior Dimension (W × D × H)	600 × 500 × 840 mm
Exterior Dimension (W × D × H)	794 × 726 × 1600 mm
Packaging dimension	893 × 863 × 1850 mm
Net Weight	225 Kg
Gross weight	255 Kg

Model No.	LD-LPGC-D11
Chamber Volume	350 L
Shelves	4 pcs
Temperature Resolution Ratio	0.1 °C
Temperature Range	Without Lighting: 0 to 65°C With lighting:10 to 65°C
Temperature Uniformity	± 1.0 °C
Humidity Range	40% to 95% RH
Humidity Motion	± 5% RH
Lighting Intensity	Full Spectrum 0 to 30000 LX, many degrees adjustable
Light Barrier	Standard 4-layer full spectrum LED lamp board
Power Supply	AC 220 V, 50/60 Hz
Sensor	PT100
Interior Dimension (W × D × H)	630 × 580 × 960 mm
Exterior Dimension (W × D × H)	824 × 806 × 1720 mm
Packaging dimension	943 × 923 × 1960 mm
Net Weight	260 Kg
Gross weight	300 Kg

Plant Growth Chamber LD-LPGC-D1 Series

Model No.	LD-LPGC-D12
Chamber Volume	450 L
Shelves	4 pcs
Temperature Resolution Ratio	0.1 °C
Temperature Range	Without Lighting: 0 to 65°C With lighting:10 to 65°C
Temperature Uniformity	± 1.0 °C
Humidity Range	40% to 95% RH
Humidity Motion	± 5% RH
Lighting Intensity	Full Spectrum 0 to 30000 LX, many degrees adjustable
Light Barrier	Standard 4-layer full spectrum LED lamp board
Power Supply	AC 220 V, 50/60 Hz
Sensor	PT100
Interior Dimension (W × D × H)	630 × 670 × 1100 mm
Exterior Dimension (W × D × H)	824 × 896 × 1860 mm
Packaging dimension	943 × 1033 × 2110 mm
Net Weight	310 Kg
Gross weight	350 Kg