



# TOP PRESS PILOT FREEZE DRYER LD-LPFD-D12

## Description:

Top Press Freeze Dryer LD-LPFD-D12 is designed to handle lyophilization needs for scale up production with a stoppering configuration for the vials. Equipped with 30 kg condenser capacity and a temperature of  $-75^{\circ}\text{C}$  for effective lyophilization. It's ideal for freeze drying samples with low eutectic temperatures. The temperature controllable shelves are designed for complete moisture removal and storage facilities of various biological materials. Precise vacuum control enables faster freeze drying and reproducible results.

## Features:

- Ice condenser capacity is 30 kg / 24 h
- Condenser temperature ( $-75^{\circ}\text{C}$ )
- Vacuum pump oil return
- Oil mist filtration system
- Automatic batch control production
- Clear acrylic door for easy product viewing during processing
- Easy to clean and anti-corrosion cold trap and operating table
- Display of sample temperature, vacuum curve degree, cold trap temperature curve
- Hot gas defrost and smooth-walled condensers for minimal delay between runs
- Real time alarm for fault detection
- Automatic data and history save
- Condenser is Vertical type, cylindrical Compact structure, better water capture, easy to clean and defrosting

## Specification:

Model no.	LD-LPFD-D12
Condenser temperature	- 75 °C
Condenser capacity	> 30Kg
Freeze drying area	2.2 m <sup>2</sup>
Bulk capacity	22 L
Shelves	5
Shelves dimension	610 mm x 910 mm
Shelf Spacing	100 mm
Shelf Material	AISI 304 with top/bottom thickness 5 mm
Shelf temperature	-50 °C to +70 °C
Final Vacuum	≤ 10Pa
Display	LCD touch screen
Voltage	220 V / 50 Hz
Power	15.5KW (Not actual working power)
Dimensions	1400 x 2100 x 2200 mm
Weight	1500 KGS