



LARGE SCALE FREEZE DRYER LD-LLFD-A13

Description:

Large Scale Freeze Dryer LD-LLFD-A13 is designed to handle lyophilization requirements for large scale production. Equipped with 40 kg condenser capacity and a temperature of $-70\text{ }^{\circ}\text{C}$ it increases the shelf life of the product without destroying the original structure. 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 40 kg / 24 h
- Condenser temperature ($-70\text{ }^{\circ}\text{C}$)
- Freeze and drying process both made on the shelf
- Built in nitrogen inflation valve
- Vacuum pump oil return
- Oil mist filtration system
- Easy to clean and anti-corrosion cold trap
- Display of sample temperature, vacuum curve degree, cold trap temperature curve
- High vial capacities for more number of samples
- External USB port to view data in excel
- Alarm indication for high condenser and shelf temperature
- Beep indication for completion of process

Specification:

Model no.	LD-LLFD-A13
Condenser temperature	- 70 °C
Condenser capacity	> 40Kg
Freeze drying area	2.16 m ²
Bulk capacity	20L (10 mm)
Vial capacity Φ 16 mm	\geq 6800 Vials
Vial capacity Φ 22 mm	\geq 3600 Vials
Shelves	5
Shelves dimension	80 mm
Shelf temperature	-50 °C to +80 °C
Final Vacuum	\leq 5Pa
Voltage	220 V / 50 Hz
Power	21 KW
Dimensions	2500 x 1300 x 2000 mm
Weight	2600 KGS