



Large Scale Freeze Dryer LD-LLFD-A11

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Overview

Large Scale Freeze Dryer LLFD-A11 is designed to handle lyophilization requirements for large scale production. Equipped with 80 kg condenser capacity and a temperature of -70 °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 80 kg / 24 h
- Condenser temperature (- 70 °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

Specifications:

Power	18 W
Weight	4200 kg
Shelves	6 shelves
Voltage	220 V / 50 Hz
Dimensions	3800 x 1500 x 2900 mm
Final Vacuum	< 10 Pa
Bulk capacity	80 L
Shelf temperature	-50 °C to 70 °C
Shelves dimension	? 100 mm
Condenser capacity	80 kg / 24 h
Freeze drying area	5.5 m ²
Condenser temperature	- 70 °C
Vial capacity ? 12 mm	35000 pieces

Vial capacity ? 16 mm	24800 pieces
Vial capacity ? 22 mm	12700 pieces