



# STANDARD FREEZE DRYER

**LLFD-A10**

## Standard Freeze Dryer LLFD-A10

Standard Freeze Dryer LLFD-A10 is designed to handle lyophilization requirements for large scale production. Equipped with 60 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 60 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

# Standard Freeze Dryer LLFD-A10

## Specification

Model No.	LLFD-A10
Condenser temperature	-70 °C
Condenser capacity	60 kg / 24 h
Freeze drying area	4.4 m <sup>2</sup>
Bulk capacity	60 L
Vial capacity $\Phi$ 12 mm	28000 pieces
Vial capacity $\Phi$ 16 mm	1500 pieces
Vial capacity $\Phi$ 22 mm	8000 pieces
Shelves	5 shelves
Shelves dimension	$\Phi$ 100 mm
Shelf temperature	-50 °C to 70 °C
Final Vacuum	< 10 Pa
Voltage	220 V / 50 Hz
Power	18 W
Dimensions	3600 x 1300 x 2800 mm
Weight	3500 kg