



# Standard Freeze Dryer

**LPFD-A10**

## Standard Freeze Dryer LPFD-A10

Standard Freeze Dryer LPFD-A10 is designed to handle lyophilization needs for scale up production. Equipped with 3 kg condenser capacity and a temperature of  $-70^{\circ}\text{C}$  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

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- Ice condenser capacity is 3 kg / 24 h
- Condenser temperature ( $-70^{\circ}\text{C}$ )
- 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

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### Specifications

Model No.	LPFD-A10
Condenser temperature	-70 °C
Condenser capacity	3 kg / 24 h
Freeze drying area	0.2 m <sup>2</sup>
Bulk capacity	2 L
Vial capacity Ø 12 mm	1554 pieces
Vial capacity Ø 16 mm	868 pieces
Vial capacity Ø 22 mm	440 pieces
Display	LCD touch screen
Shelves	2 shelves
Shelves dimension	Ø 70 mm
Shelf temperature	-50 °C to 65 °C
Final Vacuum	< 10 Pa
Voltage	220 V / 50 Hz
Power	1700 W
Dimensions	605 x 610 x 1200 mm
Weight	191 kg