



# Top Press Freeze Dryer LPFD-D11

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Top Press Freeze Dryer LPFD-D11 is designed to handle lyophilization needs for scale up production with a stoppering configuration for the vials. Equipped with 15 kg condenser capacity and a temperature of -70 °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 15 kg / 24h
- Condenser temperature (- 70 °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

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## Specifications

Model No.	LPFD-D11
Condenser temperature	- 70 °C
Condenser capacity	15 kg / 24 h
Freeze drying area	1.15 m <sup>2</sup>
Bulk capacity	11 L
Vial capacity $\Phi$ 12 mm	8400 pieces
Vial capacity $\Phi$ 16 mm	4706 pieces
Vial capacity $\Phi$ 22mm	2728 pieces
Display	LCD touch screen
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	7000 W
Dimensions	1330 x 1310 x 2200 mm
Weight	950 kg