



STANDARD FREEZE DRYER

LPFD-D10

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Standard Freeze Dryer LPFD-D10 is designed to handle lyophilization needs for scale up production. 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

- Ice condenser capacity is 15 kg / 24 h
- 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-D10
Condenser temperature	- 70 °C
Condenser capacity	15 kg / 24 h
Freeze drying area	1 m ²
Bulk capacity	10 L
Vial capacity Ø 12 mm	7920 pieces
Vial capacity Ø 16 mm	4092 pieces
Vial capacity Ø 22 mm	2112 pieces
Display	LCD touch screen
Shelves	7 shelves
Shelves dimension	Ø 70 mm
Shelf temperature	-50 °C to 70 °C
Final Vacuum	< 10 Pa
Voltage	220 V / 50 Hz
Power	6500 W
Dimensions	1020 x 860 x 1620 mm
Weight	500 kg