



**MANIFOLD TOP PRESS FREEZE DRYER**

**LD-LFFD-E1 SERIES**

**Manifold Top Press Freeze Dryer LD-LFFD-E1 Series** is a floor standing unit with 3 kg condenser capacity and condenser temperature of -50 °C used for drying aqueous specimens or -80 °C for specimen's containing solvents. The manifolds allow lyophilization of wide spectrum of sample volumes. It facilitates the connection of eight different sizes of flasks ranging from 100 ml to 1000 ml. Precise vacuum control enables faster freeze drying and reproducible results.

## Features

- Ice condenser capacity is 3 kg / 24 h
- Condenser temperature (-55 °C / -80 °C)
- Vacuum pump oil return
- Oil mist filtration system
- 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

## Specifications

Model No.	LD-LFFD-E10	LD-LFFD-E11
Condenser temperature	- 50 °C	- 80 °C
Condenser capacity	3 kg / 24 h	3 kg / 24 h
Freeze drying area	0.08 m <sup>2</sup>	0.1 m <sup>2</sup>
Bulk capacity	0.8 L	1 L
Vial capacity Φ 12 mm	492 pieces	656 pieces
Vial capacity Φ 16 mm	279 pieces	372 pieces
Vial capacity Φ 22 mm	147 pieces	196 pieces
Display	LCD touch screen	LCD touch screen
Shelves	4 shelves	4 shelves
Shelves dimension	Φ 180 mm	Φ 180 mm
Final Vacuum	< 10 Pa	< 10 Pa

Voltage	220 V / 50 Hz	220 V / 50 Hz
Dimensions	580 x 500 x (720 + 540) mm	660 x 460 x (710 + 430) mm
Weight	115 kg	190 kg