

# MANIFOLD FREEZE DRYER

LFFD-D1 Series



## Manifold Freeze Dryer LFFD-D1 Series

Manifold Freeze Dryer LFFD-D1 series are floor standing units with 3 kg condenser capacity and condenser temperature options of either -55 °C used for drying aqueous specimens or -80 °C for specimen's containing solvents .It allows larger glassware like flasks to be dried independent of the shelving units. Flasks can be added and removed independently without disturbing the surrounding flask's activity.Built in oil mist filtration system and vacuum pump oil return device helps in maintenance of vacuum pressure and prevention of oil leak- age.

### 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.             | LFFD-D10                     | LFFD-D11                     |
|-----------------------|------------------------------|------------------------------|
| Condenser temperature | -50 °C                       | -80 °C                       |
| Condenser capacity    | 3 kg / 24 h                  | 6 kg / 24 h                  |
| Freeze drying area    | 0.12 m <sup>2</sup>          | 0.18 m <sup>2</sup>          |
| Bulk capacity         | 1.2 L                        | 1.8 L                        |
| Display               | LCD touch screen             | LCD touch screen             |
| Shelves               | 4 shelves                    | 6 shelves                    |
| Shelves dimension     | Φ 200 mm                     | Φ 240 mm                     |
| Final Vacuum          | < 10 Pa                      | < 10 Pa                      |
| Voltage               | 220 V / 50 Hz                | 220 V / 50 Hz                |
| Dimensions            | 580 x 500 x ( 720 + 640 ) mm | 810 x 580 x ( 950 + 450 ) mm |
| Weight                | 110 kg                       | 185 kg                       |