



FREEZE DRYER 3 - 24 LITERS



12/24L



GENERAL SPECIFICATIONS :

- Cold trap temperature of $-70^{\circ}\text{C} \sim -90^{\circ}\text{C}$, collects all vapors and protects vacuum pump
- Digital display of temperature and vacuum rate on front panel
- 40mm of clear acrylic lid
- Recommended 200 or 400 LPM vacuum pump

CONTROL SYSTEM :

- Microprocessor control system
- One-touch automatic operation key for cooling & vacuum functions
- Temperature setting function for automatic start-up and stop to protect the vacuum pump
- Real time or historical data print set available with optional thermal printer (year/month/date/hour/minutes/temperature/vacuum rate)



3L

Model	FDU-8624/7024	FDU-8612/7012	FDU-8606/7006	FDU-8603/7003	FDB-5503
Cold trap temp.	-90°C -70°C	-90°C -70°C	-90°C -70°C	-90°C -70°C	-55°C
Capacity	24L	12L	6L	3L	3L
Dimension (W x D x H)	850 x 800 x 950		500 x 650 x 950		480 x 580 x 480
Trap Size	315 x 680	315 x 380	315 x 300	315 x 180	315 x 180
Controller	Auto/manual start-up controller, cold trap temperature and vacuum rate display				
Pump protection	Automatic vacuum pump start & stop control system				
Defrost	Automatic		Manual		
Power supply	220V 1Ph				
Weight	180Kg	155Kg	115Kg	110Kg	50Kg
Vacuum pump	200 – 400 liters per minute				
Drying chamber	D300mm x H330mm				
Tray / Shelf	3 shelves or mini tray (5 tier)				
Heating	Heated or non heated shelves / tray - option				
Manifold	8/12/24 ports (T type) or 6/8/12 ports (D type)				
Flasks	150 / 300 / 600 / 1000ml				
Pre-freezer attachment	Option		N/A		
Thermal print system	Real time or historical data (year, month, date, hour, minutes, temperature, vacuum rate)		N/A		