

Freeze dryer-FDB

Bench Top Model

Product features and specifications

- Choosing the wide temperature range from -86°C to -55°C available
- Compact freeze dryer for the laboratory table
- Installing manifold type or drying chamber available
- Strong structure frame and impact resistant powder coating finishing
- Filter cover for easy cleaning
- Bench-top type structure
- Temperature measuring sensor: platinum PT 100Ω(Class A 0.15 grade)
- Equipped with the valve for auto vacuum release to prevent a back flow of contaminated oil or gas

Control System

- Microprocessor control system
- One touch type automatic operation of freezing & vacuum function
- Buttons for choosing automatic & manual function
- Functions for automatic operating start and automatic setting temperature for stop to prevent the vacuum pump

[Optional items]



Tube holder



T-type manifold



Drying chamber+D-Type manifold+Mini tray



Pump table



Flask- 2L/3L
(Compatible stoppering system : 5ml x 28ea)



Flask stoppering system



[FDB-5502]
D-Type manifold



[FDB-5502]
T-Type manifold



[FDB-5503]



[FDB-5502]

Freeze dryer(Bench top type) - Lab scale

Model		FDB-8603	FDB-7003	FDB-5503	FDB-5502	FDB-7002	FDB-8602
Main Body	Cold Trap Temp	-86°C	-70°C	-55°C	-55°C	-70°C	-86°C
	Capacity(total)	3L~4.5L	3L~4.5L	3L ~ 4.5L	2L ~ 3L	2L ~ 3L	2L ~ 3L
	Dimension	W480 x D570 x H480			W345 x D500 x H540		
	Trap Size	Φ315 x L180	Φ315 x L180	Φ315 x L180	Φ155 x 195		
	Controller	Microprocessor controlled LED digital display 0.1°C increment & vacuum display 2000mTorr~0mTorr					
	Pump Protection System	Built-in					
	Defrost	Manual defrost					
	Electric	Capacity necessary for installment AC220V 1ph (50/60Hz)					
Weight	70kg	60kg	50kg	40kg	45kg	50kg	

Options

- | | | |
|-----------------------------------|---------------------------------|--|
| 1. Vacuum pump (100LPM ~ 200LPM) | 6. Vacuum valve + Cap + Adaptor | 11. Pump table |
| 2. Drying chamber (Small/Large) | 7. Flask (1000ml ~ 150ml) | 12. Stainless rack + Box |
| 3. Mini tray or three stage shelf | 8. Vacuum oil | 13. Oil mist trap |
| 4. T-TYPE manifold | 9. Vacuum grease | 14. Chemical trap |
| 5. D-TYPE manifold | 10. Tube holder | 15. Flask stoppering system (ø 22mm x 24Vials) |