Freeze dryer-FDU

Upright type

Product features and specifications

- Choosing the wide capacity range from 24L to 3L available
- Choosing the wide temperature range from -90°C to -55°C available
- Powerful freezing performance to start drying within 15minutes ~ 30minutes
- Compact and movable upright type freeze dryer
- Installing manifold type or drying chamber available
- Strong structure frame and impact resistant powder coating finishing
- Filter cover for easy cleaning
- Upright 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 Rotor when ordering the model equipped with the concentrator]















Freeze dryer(Upright type) - Lab scale

Model		Upright-type							
		FDU-8624	FDU-7024	FDU-8612	FDU-7012	FDU-8606	FDU-7006	FDU-8603	FDU-7003
Main Body	Cold Trap Temp	-90°C	-70°C	-90°C	-70°C	-90°C	-70°C	-90°C	-70°C
	Capacity(total)	24L ~ 28L		12L ~ 15L		6L ~ 8L		3L ~ 4.5L	
	Dimension	W890 x D846 x H1037		W850 x D796 x H987		W500 x D646 x H976			
	Trap Size	Ф345 x L580		Φ 345 x L380		Φ 315 x L300		Ф 315 x L180	
	Controller	Auto/Manual start-up controller, Display cold trap, Temperature & vacuum pressure (2000 m Torr ~ 0 m Torr), printer set							
	Pump Protecteion System	(Automatic vacuum pump start & Stop controller system)							
	Defrost	Auto				Manual			
	Electric	Capacity necessary for installment AC220V 1ph (50/60Hz)							
	Weight	180	Okg	15:	5kg	115	5kg	110	Okg

Options

1. Vacuum pump (100LPM ~ 200LPM)

2. Drying chamber (Large)

3. Mini tray or three stage shelf

4. T-TYPE manifold

5. D-TYPE manifold

6. Vacuum valve + Cap + Adaptor

7. Flask (1000ml ~ 150ml)

8. Vacuum oil

9. Vacuum grease

10. Oil mist trap

11. Chemical trap

12. Rotor for vacuum concentration (1.5ml X 210/ 1.5ml X 72/ 15ml X 12/ 50ml X 6/ swing rotor) (Concentrator equipped model is available for the large upper plate with 12L capacity)

13. Flask stoppering system (ø22mm x 24Vials)