

Freeze Dryer



Laboratory Freeze Dryer

INTRODUCTION

The lab series freeze dryer is suitable for freeze drying test of laboratory biomedical samples. Widely used in drugs, biological products, chemical and food industries. On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissue enzymes, freeze-drying technology is applied.

FEATURES

1. LCD touch screen.
2. With historical data inquiry function.
3. With USB interface to export the data.
4. Large capacity ice condenser trap and without coil inside.
5. With cascade refrigeration technology.
6. Pre-freezing shelf can be used as guide barrel to speed up the drying rate.
7. Ice condenser trap and operation panel are made by stainless steel.
8. Drying chamber is transparent which is visual and safe.
9. Shelves are stainless steel, which can be adjustable per the requirements.

ACCESSORIES



Pilot Freeze Dryer

INTRODUCTION

Biobase series pilot vacuum freeze dryer is suitable for laboratory samples of freeze drying test, pilot use, and a small amount of production.

FEATURES

1. Pre-freezing and drying are in same place.
2. With cascade refrigeration technology.
3. Silicon oil is intermediate medium in the shelves for heating to ensure drying material uniformity.
4. Shelf temperature is adjustable and easy to control.
5. Tray is easy to operate and clean.
6. 7 inch LCD touch screen. Adopt PID intelligent control system.
7. With historical data inquiry function, can store history data for one month.
8. Equipped with USB interface on control panel. It can copy the data and history data directly without additional software.
9. Ice condenser and operation panel are made by stainless steel, corrosion-resistant and easy to clean.
10. Front door is with high transparent colorless organic glass, the test process can be easily observed.

ACCESSORIES



Tabletop Freeze Dryer



TECHNICAL PARAMETERS

Model	BK-FD10S	BK-FD10P	BK-FD10T	BK-FD10PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stopping chamber	Stopping chamber with 8 port manifold
Freeze Drying Area	0.12m ²		0.09m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	50mm		68mm	
Cold Trap Temperature	≤-56℃			
Cold Trap Capacity	9.5L			
Cold Trap Size (Diameter*H)	Φ215*260mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	3kg/24h			
Tray Size (D*H)	Φ200*20mm		Φ180*20mm	
Freeze Drying Time	24h			
Loading Capacity/Shelf (Liquid)	0.3L			
Total Loading Capacity (Liquid)	1.2L		0.9L	
Drying Chamber Size (Diameter*H)	Φ260*310mm		Φ260*450mm	
Total Qty. Of Vial Φ22	260		195	
Total Qty. Of Vial Φ16	480		360	
Total Qty. Of Vial Φ12	920		690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Power Consumption	1.3KW			
Power Supply	AC220V, 50/60Hz(single phase); 110V, 60Hz(single phase)			
Standard Accessory	Vacuum pump 2L/S, 8m ³ /h (for all models) Conical-mouth flask 500ml*8 pcs (only for model BK-FD10P/PT)			
Optional Function & Accessory	Conical-mouth flask and wide-mouth flask (for BK-FD10P/PT) Import vacuum pump			
External Size (W*D*H)	640*610*550/810mm	640*610*550/950mm	640*610*550/990mm	
Package Size (W*D*H) mm/	Main Body 720*705*730 (83kg)	720*705*730 (83kg)	720*705*730 (83kg)	720*705*730 (83kg)
Gross Weight	Drying Chamber 590*705*530 (40kg)	590*705*530 (44kg)	590*705*530 (50kg)	590*705*530 (53kg)
	/Vacuum Pump			