

Freeze Dryer



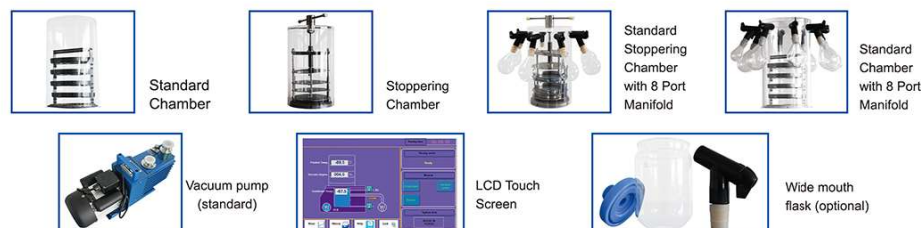
Introduction

Vacuum freeze-drying technology is also known as sublimation drying. The principle is to freeze a sample containing water in advance, and then sublimate its moisture under vacuum. The original biological, chemical and physical properties of the freeze-dried samples remain basically the same, and they are easy to be stored for a long time. After adding water, the samples can be restored to the state before freeze-drying, and their original biochemical characteristics can be maintained. Therefore, freeze-drying technology is widely used in medicine, food, chemical, biological products and other fields.

Features

- * Compressor, energy saving and high efficiency, low noise, long life.
- * Vacuum pump, small volume, pumping speed, low noise, can achieve higher vacuum.
- * Integrated design, compact structure, easy to use.
- * Environmentally friendly refrigerant, ODP=0.
- * With defrosting function, safe and reliable.
- * The cold trap and operating table are made of stainless steel, corrosion resistant and easy to clean.
- * The transparent cover of the drying chamber is made of aviation acrylic material, with high strength and no bonding.
- * Large cold trap opening size, with pre-freezing function, no need for low temperature refrigerator.
- * Professional gas diversion technology, high freeze-drying efficiency, and uniform ice capture.

Accessories



Technical Parameters

Model	BK-FD10S		BK-FD10P	BK-FD10T	BK-FD10PT
Type	Standard chamber		Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m²(Standard) 0.18m²(Optional)			0.08m²	
Tray	4pcs(Standard) 6pcs(Optional)			3pcs	
Height Between Trays	50mm			/	
Cold Trap Temperature	≤-60℃(No load)(-80℃ optional)				
Cold Trap Capacity	6L				
Cold Trap Size (Diameter*H)	Φ219*140mm				
Vacuum Degree	≤5 Pa				
Water Capture Capacity	3-4L/24h				
Tray Size (D*H)	Φ200*20mm			Φ180*20mm	
Freeze Drying Time	24~36h				
Suggested Loading Capacity (Liquid)	1.2L(Standard)			0.8L	
	1.8L(Optional)				
Total Loading Capacity (Liquid)	2.4L(Standard)			1.6L	
	3.6L(Optional)				
Drying Chamber Size (Diameter*H)	Φ260*420mm		Φ260*465mm		
Total Qty. Of Vial Φ22	196(Standard)			147	
	294(Optional)				
Total Qty. Of Vial Φ16	396(Standard)			297	
	594(Optional)				
Total Qty. Of Vial Φ12	656(Standard)			492	
	984(Optional)				
Refrigerant	-60℃: R600a, R23 -80℃: R404a, R23				
Cooling System	Standard: Air cooling				
Power Supply	Standard: 220V 50Hz Optional: 220V, 60Hz, 110V, 60Hz				
Power Consumption	1300W				
Standard Accessory	Vacuum pump 2L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic bucket*1(all models)				
	Conical-mouth flask100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD10P/PT), USB port				
Optional Function & Accessory	Equipment moving frame, vacuum pump of other specifications, oil mist filter, automatic air intake function, automatic water drainage function, and other customization(for all models)				
	600ml/1200ml wide-mouth flask(for BK-FD10P/PT)				
	Tray*2(for BK-FD10S/P)				
External Size (W*D*H)	640*610*550mm				
Package Size (W*D*H)	Main Body	735*720*760mm			
	Accessory	720*605*560mm			
Gross Weight	Main Body	-60℃: 80kg -80℃: 98kg			
	Accessory	45kg	49kg	54kg	56kg