

Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

Technical Parameters

Model	BK-FD12S	BK-FD12P	BK-FD12T	BK-FD12PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m ² (Standard) 0.18m ² (Optional)		0.08m ²	
Tray	4pcs(Standard) 6pcs(Optional)		3pcs	
Height Between Trays	50mm		/	
Cold Trap Temperature	≤-60°C(No load)(-80°C optional)			
Cold Trap Capacity	9L			
Cold Trap Size (Diameter*H)	Φ219*240mm			
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) 1.8L(Optional)		0.8L	
Total Loading Capacity (Liquid)	2.4L(Standard) 3.6L(Optional)		1.6L	
Drying Chamber Size (Diameter*H)	Φ260*420mm	Φ260*465mm		
Total Qty. Of Vial Φ22	196(Standard) 294(Optional)		147	
Total Qty. Of Vial Φ16	396(Standard) 594(Optional)		297	
Total Qty. Of Vial Φ12	656(Standard) 984(Optional)		492	
Refrigerant	-60°C: R600a, R23 -80°C: R404a, R23			
Cooling System	Standard: Air cooling Optional: Water cooling			
Power Supply	Standard: 220V 50Hz Optional: 220V, 60Hz, 110V, 60Hz			
Power Consumption	1400W			
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 flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD12P/PT), USB port			
Optional Function & Accessory	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-FD12P/PT) Tray*2(for BK-FD10S/P)			
External Size(W*D*H)	520*625*865mm			
Package Size (W*D*H)	Main Body	665*765*1140mm		
	Accessory	720*605*560mm		
Gross Weight	-60°C: 95kg			
	-80°C: 114kg			
	45kg	49kg	54kg	56kg



BK-FD18S



BK-FD18P



BK-FD18T



BK-FD18PT

Technical Parameters

Model	BK-FD18S	BK-FD18P	BK-FD18T	BK-FD18PT
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.18m ² (Standard) 0.27m ² (Optional)		0.09m ²	
Tray	4pcs(Standard) 6pcs(Optional)		3pcs	
Height Between Trays	75mm		/	
Cold Trap Temperature	≤-60°C(No load)(-80°C, -110°C optional)			
Cold Trap Capacity	28L			
Cold Trap Size (Diameter*H)	Φ300*410mm			
Vacuum Degree	≤5Pa			
Water Capture Capacity	6L/24h			
Tray Size (D*H)	Φ240*20mm		Φ200*20mm	
Freeze Drying Time	24~36h			
Suggested Loading Capacity (Liquid)	1.8L(Standard) 2.7L(Optional)		0.9L	
Total Loading Capacity (Liquid)	3.6L(Standard) 5.4L(Optional)		1.8L	
Drying Chamber Size (Diameter*H)	Φ300*465mm			
Total Qty. Of Vial Φ22	244(Standard) 366(Optional)		183	
Total Qty. Of Vial Φ16	460(Standard) 690(Optional)		345	
Total Qty. Of Vial Φ12	820(Standard) 1230(Optional)		615	
Refrigerant	-60°C: R600a, R23 -80°C: R404a, R23			
Cooling System	Standard: Air cooling Optional: Water cooling			
Power Supply	Standard: 220V, 50Hz Optional: 220V, 60Hz, 110V, 60Hz			
Power Consumption	1800W			
Standard Accessory	Vacuum pump 4L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic bucket*1(all models) Conical-mouth flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs (only for model BK-FD18P/PT), USB port			
Optional Function & Accessory	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-FD18P/PT) Tray*2(for BK-FD10S/P)			
External Size(W*D*H)	545*686*938mm			
Package Size (W*D*H)	Main Body	835*680*1230mm		
	Accessory	725*665*705mm		
Gross Weight	-60°C: 118kg			
	-80°C: 136kg			
	52kg	54kg	60kg	56kg