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	0.12m²(Standard) 0.18m²(Optional)		0.08m²	
Tray	4pcs(Standard) 6pcs(Optional)		3pcs	
Height Between Trays	50mm		/	
Cold Trap Temperature Cold Trap Capacity	≤-60℃(No load)(-80℃ optional) 9L			
Cold Trap Size (Diameter*H) Vacuum Degree	Φ219*240mm ≤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 Cooling System Power Supply Power Consumption	-60℃: R600a, R23 -80℃: R404a, R23 Standard: Air cooling Optional: Water cooling Standard: 220V 50Hz Optional: 220V, 60Hz,110V, 60Hz 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-FD12S/P)			
External Size(W*D*H)	520*625*865mm			
Package Size (W*D*H) Main Body	665*765*1140mm			
Package Size (W*D*H) Accessory	720*605*560mm			
Gross Weight	-60℃: 95kg -80℃: 114kg			
	45kg	49kg	54kg	56kg

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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	0.18m²(Standard) 0.27m²(Optional)		0.09m²	
Tray	4pcs(Standard) 6pcs(Optional)		3pcs	
Height Between Trays	75mm		/	
Cold Trap Temperature Cold Trap Capacity	≤-60℃(No load)(-80℃, -110℃optional) 28L			
Cold Trap Size (Diameter*H) Vacuum Degree	Φ300*410mm ≤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 Cooling System Power Supply Power Consumption	-60℃: R600a, R23 -80℃: R404a, R23 Standard: Air cooling Optional: Water cooling Standard: 220V, 50Hz Optional: 220V, 60Hz, 110V, 60Hz 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-FD18S/P)			
External Size(W*D*H)	542*686*938mm			
Package Size (W*D*H) Main Body	835*680*1230mm			
Package Size (W*D*H) Accessory	725*665*705mm			
Gross Weight	-60℃: 118kg -80℃: 136kg			
	52kg	54kg	60kg	56kg