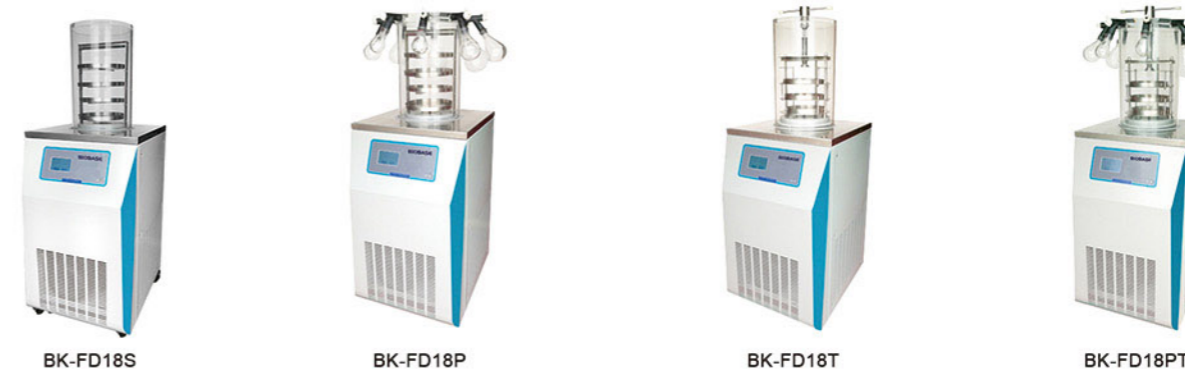


Vertical Freeze Dryer



Technical Parameters

Model	BK-FD12S(-60/-80)	BK-FD12P(-60/-80)	BK-FD12T(-60/-80)	BK-FD12PT(-60/-80)
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m ²	0.18m ²	0.09m ²	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	≤-60°C/-80°C(Optional)			
Cold Trap Capacity	9.3L			
Cold Trap Size(Dr*H)	Φ217*250mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	4kg/24h			
Tray Size (D*H)	Φ200*20mm			
Freeze Drying Time	24h			
Loading Capacity/Shelf(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.2L	1.8L	0.9L	
Drying Chamber Size(D*H)	Lower circle φ260mm Upper circle φ240mm Height 450mm			
Can Load Vials Qty	Φ22mm	260	195	
	Φ16mm	480	360	
	Φ12mm	920	690	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Consumption	-60°C: 0.9kW -80°C: 1.5Kw (Option)			
Power Supply	220V/50Hz,60Hz (single phase);110V/60Hz (single phase, only for -60°C)			
Standard Accessory	-60°C Cold trap, Vacuum pump 2L/S, 8m3/h, Material tray, Material rack, PC cover (for all models) Conical-mouth flask 500ml*8 pcs, Switch valve*8 pcs (only for model BK-FD12P/PT)			
Optional Function & Accessory	-80°C Cold trap, Electric defrost function, Nitrogen gas filling valve, Oil mist filter (for all models) 800ml Wide-mouth flask (for BK-FD12P/PT)			
External Size(W*D*H)	480*620*920/1370mm			
Package Size	Main Body	730*600*1180 (80kg)		
	Drying Chamber	400*400*620 (15kg)		
Gross Weight	Vacuum Pump	570*240*360 (22kg)		



Technical Parameters

Model	BK-FD18S(-56/-80)	BK-FD18P(-56/-80)	BK-FD18T(-56/-80)	BK-FD18PT(-56/-80)
Type	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.18m ²		0.09m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	70mm			
Cold Trap Temperature	≤-56°C/-80°C(Optional)			
Cold Trap Capacity	23L			
Cold Trap Size(Dr*H)	Φ270*400mm			
Vacuum Degree	<5 Pa			
Water Capture Capacity	6kg/24h			
Tray Size (D*H)	Φ240*18mm	Φ200*18mm		
Freeze Drying Time	18-36h			
Loading Capacity/Shelf(Liquid)	0.45L	0.3L		
Total Loading Capacity(Liquid)	1.8L	0.9L		
Drying Chamber Size(D*H)	Φ300*445mm	Φ300*465mm	Φ300*540mm	Φ300*570mm
Can Load Vials Qty	-	183		
	-	345		
	-	615		
Refrigerant	R600a+R23			
Cooling System	Air cooling			
Consumption	-56°C: 1.4kW, -80°C: 2.1.kW		-56°C: 1.4kW, -80°C: 2.1.kW	
Power Supply	AC220V, 50/60Hz(single phase), 110V, 60Hz(single phase)			
Standard Accessory	-56°C Cold trap ,Vacuum pump 4L/S, 14.4m3/h, Material rack, Material tray (for all models) Flasks 100ml*2, 250ml*2, 500ml*2, 1000ml*2 (only for model BK-FD18P/PT)			
Optional Function & Accessory	-80°C, -110°C Cold trap, Anti-reverse oil stop valve, Oil mist filter, Import vacuum pump (for all models) Conical-mouth flask and wide-mouth flask (for BK-FD18P/PT)			
External Size(W*D*H)	630*580*970/1415mm	630*580*970/1435mm	630*580*970/1510mm	630*580*970/1810mm
	790*690*1200mm (148kg)			
Gross Weight	420*420*560/mm (14kg)	430*430*660mm (26kg)		
	620*370*450 (32kg)			