

Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

TECHNICAL PARAMETERS

Model	BK-FD12S(-55/-80)	BK-FD12P(-55/-80)	BK-FD12T(-55/-80)	BK-FD12PT(-55/-80)
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℃/-80℃			
Cold Trap Capacity	9.5L			
Cold Trap Size(D*H)	Φ215*260mm			
Vacuum Degree	<10Pa			
Water Capture Capacity	4kg/24h			
Tray Size (D*H)	Φ200*20mm			
Freeze Drying Time	24h			
Loading Capacity/Shell(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.2L		0.9L	
Drying Chamber Size(D*H)	Φ260*310mm	Φ260*450mm	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			
Consumption	-55℃: 0.9KW, -80℃: 1.5KW			
Power Supply	AC220V, 50/60Hz(single phase)			
Standard Accessory	Vacuum pump 2L/S, 8m ³ /h (for all models), Conical-mouth flask 500mlx8 (only for model BK-FD12P/PT)			
Optional Function & Accessory	Tray heating (for all models), Cold trap defrosting (for all models), Conical-mouth flask and wide-mouth flask(for BK-FD12P/PT), Import vacuum pump			
External Size(W*D*H)	460*620*920/1370mm			
Package Size Main Body	1000*700*570 / 90kg			
(W*D*H)mm / Drying Chamber	300*300*350 / 12kg			
Gross Weight Vacuum Pump	590*380*220 / 22kg			



BK-FD18S



BK-FD18P



BK-FD18T



BK-FD18PT

TECHNICAL PARAMETERS

Model	BK-FD18S(-55)	BK-FD18P(-55/-80)	BK-FD18T(-55/-80)	BK-FD18PT(-55/-80)
Type	Standard chamber	Standard chamber with 8 port manifold	Stopping chamber	Stopping chamber with 8 port manifold
Freeze Drying Area	0.18m ²		0.12m ²	
Tray	4 pcs		3 pcs	
Height Between Trays	80mm	70mm		
Cold Trap Temperature	≤-56℃	≤-56℃/-80℃		
Cold Trap Capacity	26L	22L		
Cold Trap Size(D*H)	Φ296*390mm	Φ270*420mm		
Vacuum Degree	<10Pa	<10Pa		
Water Capture Capacity	6kg/24h			
Tray Size (D*H)	Φ240*20mm	Φ240*18mm	Φ200*18mm	
Freeze Drying Time	24h			
Loading Capacity/Shell(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.8L		0.9L	
Drying Chamber Size(D*H)	Φ300*451mm	Φ300*465mm	Φ300*465mm	
Total Qty. Of Vial Φ22	360		270	
Total Qty. Of Vial Φ16	740		555	
Total Qty. Of Vial Φ12	1320		990	
Refrigerant	R600a+R290+R23			
Cooling System	Air cooling			
Consumption	-55℃: 1.7KW	-55℃: 1.4KW, -80℃: 2.1KW	-55℃: 1.8KW, -80℃: 2.1KW	
Power Supply	AC220V, 50/60Hz(single phase), 110V, 60Hz(single phase)			
Standard Accessory	Vacuum pump 4L/S, 14.4m ³ /h (for all models), Conical-mouth flasks 100ml*2, 250ml*2, 500ml*2, 1000ml*2 (only for model BK-FD18P/PT)			
Optional Function & Accessory	Tray heating function (for all models), Cold trap defrosting function (for all models), Conical-mouth flask and wide-mouth flask (for BK-FD18P/18PT), Import vacuum pump			
External Size(W*D*H)	560*710*950/1400mm	630*580*970/1430mm	810*580*950/1410mm	
Package Size Main Body	776*652*1170 (112kg)	780*720*1200 (165kg)		
(W*D*H)mm / Drying Chamber	400*420*640 (18kg)			
Gross Weight Vacuum Pump	650*710*650 (41kg)	640*220*410 (25kg)		