

## Vertical Freeze Dryer



BK-FD12S



BK-FD12P



BK-FD12T



BK-FD12PT

## 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	0.12/0.18m <sup>2</sup>		0.09m <sup>2</sup>	
Tray	4/6(Optional)pcs		3pcs	
Height Between Trays	76/50mm		70mm	
Cold Trap Temperature	≤-60℃/-80℃(Option)			
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/Shell(Liquid)	0.3L			
Total Loading Capacity(Liquid)	1.2/1.8L		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℃: 0.9kW -80℃: 1.5Kw (Option)			
Power Supply	220V/50Hz,60Hz (single phase);110V/60Hz (single phase, only for -60℃)			
Standard Accessory	-60℃ Cold trap, Vacuum pump 2L/S, 8m <sup>3</sup> /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℃ 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 (W*D*H)mm /	Main Body	730*600*1180mm (80kg)		
	Drying Chamber	620*400*400mm (15kg)		
Gross Weight	Vacuum Pump	570*360*240 (22kg)		