

Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T

Technical Parameters

Model		BK-FD20S(Standard)	BK-FD20T(Stoppering)	BK-FD30S(Standard)	BK-FD30T(Stoppering)
Freeze Drying Area		0.3m²	0.2m²	0.4m²	0.3m²
Shelf Temperature		-50℃~+70℃(no-loading)			
Cold Trap Temperature		<-75℃(no-loading)			
Vacuum Degree		≤5 Pa(no-loading)			
Water Capture Capacity		≥6		≥8	
Cold Trap Volume		14L		26L	
Cold Trap Size (Diameter*H)		Φ200*460mm		Φ320*520mm	
Drying Chamber Size (W*D*H)		330*325*470mm		340*500*420mm	
Shelf & Tray Size(W*D*H)		Shelf: 400*270*18mm		Shelf: 300*340*18mm	
		Tray: 395*265*25mm		Tray: 295*335*25mm	
Qty. Of Shelf & Tray		Shelf: 3+1, Tray: 3	Shelf: 2+1, Tray: 2	Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3
Sample Loading Capacity (Liquid)		3L	2L	4L	3L
Height Between Trays		70mm	70mm	50mm	70mm
Tray Temperature Difference		±1℃			
Refrigerant		R404A + R23			
Condenser Cooling Mode		Air cooling			
Defrost Mode		Electric defrosting		Natural defrosting (option electric defrosting)	Electric defrosting
Stoppering Mode		/	manual	/	automatic
Total Qty. Of Vial	Φ22mm	/	440	/	654
	Φ16mm	/	868	/	1200
	Φ12mm	/	1554	/	2187
Vacuum Pump		4L/S(14.4m³/h)		6L/S(22m³/h)	
Electric Defrosting Consumption		800W	800W	/	1000W
Silicone Oil Heating Rods Consumption		800W	800W	1000W	1000W
Hydraulic Pressure Station Consumption		/	500W	/	1000W
Total Consumption		3KW	3KW	4.5KW	5.5KW
Power Supply		AC220V, 50Hz/60Hz (single phase)			
Main Body Weight		300kg		400kg	
External Size(W*D*H) mm		840*750*1580mm		920*780*1350mm	
Package Size(W*D*H)mm		Main Body		1100*980*1570mm/450kg	
		980*860*1720mm/400kg		1440*1070*1720mm/651kg	
Gross Weight		Vacuum Pump		790*340*460mm (57kg)	
		950*420*500mm (37kg)		790*300*470mm (52kg)	

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device



BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

Technical Parameters

Technical Parameters		Technical Parameters	
BK-FD50S(Standard)	BK-FD50T(Stoppering)	BK-FD100S(Standard)	BK-FD100T(Stoppering)
0.7m²	0.5m²	1.04m²	1.15m²
-50℃~+70℃(no-loading)			
<-75℃(no-loading)			
≤5 Pa(no-loading)			
≥10kg		≥15kg	
/	70L		
/	Φ400*560mm		
410*510*590 mm	620*510*580mm	410*580*520mm	700*590*760mm
Shelf: 480*360*18mm	Shelf: 410*410*18mm	Shelf: 480*360*18mm	Shelf: 480*600*18mm
Tray: 475*355*25mm	Tray: 405*405*25mm	Tray: 475*355*25mm	Tray: 475*595*25mm
Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3	Shelf: 6+1, Tray: 6	Shelf: 4+1, Tray: 4
7L	5L	10L	11L
70mm			100mm
±1℃			
R404A + R23			
Air cooling			
Natural defrosting (option electric defrosting)	Electric defrosting	Electric defrosting	Electric defrosting
/	automatic	/	automatic
/	1050	/	2460
/	2058	/	4788
/	3075	/	8624
8L/S(29m³/h)		15L/S(54m³/h)	
/	1000W	1500W	
1000W		1600W	
/	1000W	/	1500W
5.5KW	6.5KW	6.5KW	7.5KW
AC380V, 50Hz/60Hz (three phase) BK-FD50S:AC220V, 50Hz/60Hz (single phase)			
600kg	800kg	700kg	1000kg
1000*850*1420mm	1490*850*1620mm	1170*830*1665mm	1640*1100*1630mm
1130*980*1620mm/565kg	1600*1040*2040mm/800kg	1320*990*1855mm/900kg	1800*1250*2100mm/1200kg
790*330*445mm (73kg)	830*370*600mm (88kg)	785*455*300mm (95kg)	800*500*500mm (70kg)

Optional: Import vacuum pump, Vacuum pump anti-return valve, Eutectic point tester, Oil mist filtration system, Vacuum adjustment device