

Pilot Freeze Dryer



BK-FD20S



BK-FD20T



BK-FD30S



BK-FD30T



BK-FD50S



BK-FD50T



BK-FD100S



BK-FD100T

Technical Parameters

Model	BK-FD20S(Standard)	BK-FD20T(Stoppering)	BK-FD30S(Standard)	BK-FD30T(Stoppering)
Freeze Drying Area	0.3m ²	0.2m ²	0.4m ²	0.3m ²
Shelf Temperature	-50°C~+70°C			
Cold Trap Temperature	-75°C			
Vacuum Degree	<5Pa			
Max. Water Capture Capacity	5kg		6kg	
Cold Trap Volume	13.5L			
Cold Trap Size (D*H)	Φ195*460mm		Φ215*485mm	
Drying Chamber Size (W*D*H)	330*330*450mm		480*385*490mm	
Shelf & Tray Size(W*D*H)	Shelf: 400*270*18mm Tray: 395*265*25mm		Shelf: 300*340*18mm Tray: 295*335*25mm	
Qty. Of Shelf & Tray	Shelf: 3+1, Tray: 3		Shelf: 4+1, Tray: 4	
Sample Loading Capacity (Liquid)	3L	2L	4L	3L
Height Between Trays	70mm		50mm	
Tray Temperature Difference	±1°C			
Refrigerant	R404A + R23			
Condenser Cooling Mode	Air cooling			
Defrost Mode	Electric defrosting		Natural defrosting	Electric defrosting
Stoppering Mode	/	manual	/	automatic
Can Load Vials Qty	Φ20mm	/	468	/
	Φ18mm	/	864	/
	Φ12mm	/	1584	/
Vacuum Pump	4L/S(14.4m ³ /h)		6L/S(22m ³ /h)	
Electric Defrosting Consumption	400W		/	600W
Silicone Oil Heating Rods Consumption	400W		/	400W
Hydraulic Pressure Station Consumption	/	0.75KW	/	0.75KW
Total Consumption	3KW	3KW	4.5KW	5.5KW
Power Supply	AC220V, 50/60Hz(single phase); AC110V, 50/60Hz(single phase)			
Main Body Weight	300kg	350kg	350kg	450kg
External Size(W*D*H) mm	700*750*1520		920*780*1350	
Package Size(W*D*H)mm	Main Body	850*860*1670 / 370kg	850*860*1670 / 470kg	1070*930*1500 / 470kg
Gross Weight	Vacuum Pump	600*380*300 / 45kg	600*380*300 / 65kg	

Accessory 1. Standard: 1 set of refrigerant ,

Technical Parameters

Model	BK-FD50S(Standard)	BK-FD50T(Stoppering)	BK-FD100S(Standard)	BK-FD100T(Stoppering)
Freeze Drying Area	0.69m ²	0.5m ²	1.03m ²	1.15m ²
Shelf Temperature	-50°C~+70°C			
Cold Trap Temperature	-75°C			
Vacuum Degree	<5Pa			
Max. Water Capture Capacity	10kg		15kg	
Cold Trap Volume	18L		35L	
Cold Trap Size (D*H)	Φ300*550mm		Φ300*550mm	
Drying Chamber Size (W*D*H)	410*480*580mm	480*385*490mm	410*580*560mm	710*600*760mm
Shelf & Tray Size(W*D*H)	Shelf:480*360*18mm Tray: 475*355*25mm	Shelf:410*410*18mm Tray: 405*405*25mm	Shelf:480*360*18mm Tray: 475*355*25mm	Shelf:480*600*18mm Tray: 475*595*25mm
Qty. Of Shelf & Tray	Shelf: 4+1, Tray: 4	Shelf: 3+1, Tray: 3	Shelf: 6+1, Tray: 6	Shelf: 4+1, Tray: 4
Sample Loading Capacity (Liquid)	7L	5L	10L	11L
Height Between Trays	70mm	100mm	70mm	100mm
Tray Temperature Difference	±1°C			
Refrigerant	R404A + R23			
Condenser Cooling Mode	Air cooling			
Defrost Mode	Natural defrosting	Electric defrosting	Electric defrosting	Electric defrosting
Stoppering Mode	/	automatic	/	automatic
Can Load Vials Qty	/	1040	/	2016
	/	1944	/	3944
	/	3456	/	7020
	/		/	
Vacuum Pump	8L/S(29m ³ /h)		15L/S(54m ³ /h)	
Electric Defrosting Consumption	500W	800W	600W	1000W
Silicone Oil Heating Rods Consumption	800W	800W	1600W	1600W
Hydraulic Pressure Station Consumption	/	1.5KW	/	1.1KW
Total Consumption	5.5KW	6.5KW	6.5KW	7.5KW
Power Supply	AC380V, 50/60Hz(three phase) AC220V, 50/60Hz(three phase)			
Main Body Weight	550kg	650kg	750kg	950kg
External Size(W*D*H) mm	1000*785*1420		1170*830*1665	
Package Size(W*D*H)mm	1150*935*1570 / 650kg	1150*935*1570 / 800kg	1320*980*1815 / 900kg	1320*980*1815 / 1130kg
Gross Weight	715*400*500 / 65kg		715*450*500 / 85kg	

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