Vertical Freeze Dryer









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Parameters	
Technical	

Model	BK-FD12S	BK-FD12P	BK-FD12T	BK-FD12PT
Туре	Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	0.12m²		0.08m²	
Tray	4 pcs		3 pcs	
Height Between Trays	20mm		1	
Cold Trap Temperature	<-60°C(No load)(-80°C optional)	C optional)		
Cold Trap Capacity	76			
Cold Trap Size (Diameter*H)	Ф219*240mm			
Vacuum Degree	≤5 Pa			
Water Capture Capacity	3-4L/24h			
Tray Size (D*H)	Ф200*20mm		oase cor	Ξ
Freeze Drying Time	36h			
Loading Capacity/Shelf (Liquid)	112Lypea C	C / www h	0.8L	com
Total Loading Capacity (Liquid)) 2.4L			7111
Drying Chamber Size (Diameter*H)	:r*H) Ф260*420mm	Ф260*465mm		
Total Qty. Of Vial Φ22	1	,	147	147
Total Qty. Of Vial Φ16	1	/	297	297
Total Qty. Of Vial Φ12	1	1	492	492
Refrigerant	-60°C: R600a, R23 -80°C: R404a, R23	30°C: R404a, R23		
Cooling System	Standard: Air cooling	Standard: Air cooling Optional: Water cooling		
Power Supply	Standard: 220V 50Hz	Standard: 220V 50Hz Optional: 220V 60Hz		
Power Consumption	1400W			
	Vacuum pump 2L/S, M	Vacuum pump 2L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic	ay*3 for T/PT), Drying rac	k*1, Cover*1, Acrylic
Standard Accessory	bucket*1(all models)			
	Conical-mouth flask 10	Conical-mouth flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs	250ml*2pcs, 500ml*2pcs,	Switch valve*8 pcs
	(only for model BK-FD12P/PT)	012P/PT)		
	Equipment moving fra	Equipment moving frame, vacuum pump of other specifications, vacuum regulation, oil mist filter,	er specifications, vacuum	regulation, oil mist filter,
Optional Function & Accessory		automatic air intake, automatic water discharge and other customization(for all models)	and other customization	(for all models)
	600ml/1200ml Wide-m	600ml/1200ml Wide-mouth flask (for BK-FD12P/PT)	/PT)	
External Size (W*D*H), mm	520*625*865			
Package Size Main Body	724*624*1112			
(W*D*H),mm Accessory	565*680*510			
Gross Weight(kg)	114	119	124	125
Gross weignt(kg)	114	119	124	



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Model		BK-FD18S	BK-FD18P	BK-FD18T	BK-FD18PT
Туре		Standard chamber	Standard chamber with 8 port manifold	Stoppering chamber	Stoppering chamber with 8 port manifold
Freeze Drying Area	ea	0.18m²		0.09m²	
Tray		4 pcs		3 pcs	
Height Between Trays	rays	80mm		1	
Cold Trap Temperature	rature	<-60°C(No load)(-80°C -110°Coptional)	-110°Coptional)		
Cold Trap Capacity	ıty	28L			
Cold Trap Size (Diameter*H)	Diameter*H)	Ф300*410mm			
Vacuum Degree		≤5 Pa			
Water Capture Capacity	apacity	6L/24h			
Tray Size (D*H)		Ф240*20mm			
Freeze Drying Time	те	36h			
Loading Capacity/Shelf (Liquid)	//Shelf (Liquid)	1.8L hoce or		76:0	
Total Loading Capacity (Liquid)	pacity (Liquid)	3.6L		1.8L	
Drying Chamber §	Drying Chamber Size (Diameter*H)	Ф300*445mm	Ф300*465mm		
Total Qty. Of Vial Φ22	Ф22	1	1	183	183
Total Qty. Of Vial Φ16	Ф16	1	,	345	345
Total Qty. Of Vial Φ12	Ф12	/	1	615	615
Refrigerant		-60°C: R600a, R23 -80°C: R404a, R23	1°C: R404a, R23		
Cooling System		Standard: Air cooling	Standard: Air cooling Optional: Water cooling		
Power Supply		Standard: 220V 50Hz Optional: 220V 60Hz	Optional: 220V 60Hz		
Power Consumption	ion	1800W			
		Vacuum pump 4L/S, M	Vacuum pump 4L/S, Material tray*4(Material tray*3 for T/PT), Drying rack*1, Cover*1, Acrylic	y*3 for T/PT), Drying rac	k*1, Cover*1, Acrylic
Otondard Account		bucket*1(all models)			
otalidald Access	ń	Conical-mouth flask 10	Conical-mouth flask 100ml*2pcs, 200ml*2pcs, 250ml*2pcs, 500ml*2pcs, Switch valve*8 pcs	:50ml*2pcs, 500ml*2pcs,	Switch valve*8 pcs
		(only for model BK-FD18P/PT)	18P/PT)		
		Equipment moving fran	ne, vacuum pump of othe	er specifications, vacuum	Equipment moving frame, vacuum pump of other specifications, vacuum regulation, oil mist filter,
Optional Function & Accessory	A Accessory	automatic air intake, au	automatic air intake, automatic water discharge and other customization(for all models)	and other customization	(for all models)
		600ml/1200ml Wide-m	600ml/1200ml Wide-mouth flask (for BK-FD18P/PT)	/PT)	
External Size (W*D*H), mm	*D*H), mm	545*686*938			
Package Size	Main Body	804*672*1170			
(W*D*H),mm	Accessory	650*710*650			
Gross Weight(kg)		144	145	151	152

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