Technical Parameter

Pilot Scale - Floor Stand Freeze Dryer



FD-50S



FD-100T



FD-200S



FD-200T

Model	FD-30S	FD-30T	FD-50S	FD-50T
Type	Standard	Top-press	Standard	Top-press
Shelf temp (C)	-50～70			
Final condenser temp (C)	-80			
Vacuum degree (Pa)	＜10			
Condenser volume (L)	13	13	17	17
Freeze drying area (m2)	0.36	0.36	0.5	0.5
Condensing capacity (Kg/24h)	6.5	6.5	10	10
Distance between shelves (mm)	90	90	90	90
Liquid material loading capacity (L)	7	7	10	10
Temp.uniformity (C)	±1	±1	±1	±1
Cooling Mode	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Heating defrost function for condenser chamber	Y	Y	Y	Y
Cap seal method	N	Hydraulic pressure	N	Hydraulic pressure
Vacuum pump	Standard model BSV-30, speed: 8.3L/S			
Ultimate vacuum	≤10	≤10	≤10	≤10
Electrical voltage	380V	380V	380V	380V
Power (Kw)	3	3.5	6	6.5
Condenser chamber dimension (WxDxHmm)	240*307		248*356	
Drying room dimension (Ø xHmm)	470*495*415		470*558*550	
Exterior dimension (WxDxHmm)	1339*932*1319	1339*932*1601	1337*1015*1454	1337*1015*1754
Shelf specification (WxDxHmm)	395*335*15		300*450*20	
Qty of shelf	3+1	3+1	4+1	4+1
Penicillin bottle Ø 22	702	702	1040	1040
Penicillin bottle Ø 16	1296	1296	7800	7800
Penicillin bottle Ø 12	2376	2376	14400	14400
Host net weight (kg)	400	445	2000	2050
Host package (WxDxHmm)	1490*1140*1660		1660*1260*1710	
Vacuum pump package (WxDxHmm)	850*330*450		850*330*450	
Weight (kg)	580	630	690	740

Model	FD-100S	FD-100T	FD-200S	FD-200T
Type	Standard	Top-press	Standard	Top-press
Shelf temp (C)	-50～70			
Final condenser temp (C)	-80			
Vacuum degree (Pa)	＜10			
Condenser volume (L)	35	35	90	90
Freeze drying area (m2)	1	1	2	2
Condensing capacity (Kg/24h)	15	15	40	40
Distance between shelves (mm)	90	90	100	100
Liquid material loading capacity (L)	20	20	40	40
Temp.uniformity (C)	±1	±1	±1	±1
Cooling Mode	Air Cooling	Air Cooling	Air Cooling	Air Cooling
Heating defrost function for condenser chamber	Y	Y	Y	Y
Cap seal method	N	Hydraulic pressure	N	Hydraulic pressure
Vacuum pump	Speed : 16.7L/S			
Ultimate vacuum	≤10	≤10	≤10	≤10
Electrical voltage	380V	380V	380V	380V
Power (Kw)	9.5	10	14.5	15
Condenser chamber dimension (WxDxHmm)	300x507		360x910	
Drying room dimension (Ø xHmm)	640x695x550		680x895x820	
Exterior dimension (WxDxHmm)	1633x1027x1612	1633x1027x1912	1260x3710x2076	1260x3710x2476
Shelf specification (WxDxHmm)	550x480x20		600x600x20	
Qty of shelf	4+1	4+1	6+1	6+1
Penicillin bottle Ø 22	2016	2016	4100	4100
Penicillin bottle Ø 16	3944	3944	7800	7800
Penicillin bottle Ø 12	7020	7020	14400	14400
Host net weight (kg)	655	700	2000	2050
Host package (WxDxHmm)	1960x1340x1860		1600x1550x2400 1600x2050x2400	
Vacuum pump package (WxDxHmm)	1010x340x510		Vacuum pump are not individually packaged	
Weight (kg)	900	950	2300	2400