

## PL.BB.BKFD Models

- The Freeze Dryer is suitable for freeze drying test of laboratory biomedical samples. Widely used drugs, biological products, chemical and food industries.
- On the heat-sensitive substances such as antibiotics, vaccines, blood products, hormones and other biological tissues enzymes, freeze drying technology is applied
- The LCD Display panel can display sample temperature, ice condenser trap temperature, running time, vacuum degree, etc. And can show all the data by curves also.
- With historical data inquiry function: The system has large storage memory which can store history data for nearly one month, it is convenient for the user to store and comparison for past lyophilized data.
- The machine is equipped with USB interface on control panel. The user can copy the lyophilized data and history data with U disk through the interface directly without additional software.
- Large Capacity lee condenser trap and without coil inside, it can be used for samples pre-freeze function.
- Cascade refrigeration technology, famous brand compressor which is low noise, large cooling capacity and high capacity of water-capture.
- The pre-freeze shelf can be used as guide barrel to speed up the drying rate.
- Ice condenser trap and operation panel are made by stainless steel, corrosion-resistant and easy to clean.
- Drying Cabinet is transparent which is visual and safe.
- The sample shelves are stainless steel, which can be adjustable as per the requirements.



Standard Chamber



Stoppering Chamber



Standard chamber with 8 Port manifold



Standard Stoppering chamber with 8 Port manifold



LCD Touch Screen for FD-10/12 series



LCD Touch Screen for FD-18 series



Vacuum Pump Standard



Wide mouth flask (optional)



PL.BB.BK-FD10S



PL.BB.BK-FD10P



PL.BB.BK-FD10T



PL.BB.BK-FD10PT



PL.BB.BK-FD10S



PL.BB.BK-FD10P



PL.BB.BK-FD10T



PL.BB.BK-FD10PT

### Specifications

MODELS	PL.BB.BKFD10S Standard	PL.BB.BKFD10T (Top-press)	PL.BB.BKFD10PT (Multi-pipeline and Top-press)	PL.BB.BKFD18S Standard	PL.BB.BKFD18P (Top-press)	PL.BB.BKFD18PT (Multi-pipeline and Top-press)
Type	Table Type			Vertical Type		
Ice Condenser Temp (°C)	-55 / -80			-55 / -80		
Vacuum Degree (Pa)	<10			<10		
Water Capture Capacity(Kg/24h)	3			6		
Freeze Drying Time (h)	24			24		
Freeze Drying Area (m <sup>2</sup> )	0.12 ~ 0.18	0.075	0.075	0.18 ~ 0.27	0.18~0.27	0.12
Material Loading Capacity (ml)	1200	750	750	1800-2700	1800-2700	900
Material Loading Capacity/shelf (ml)	300	250	250	450	300	300
Tray Specification (Ø*h mm)	Ø200*20	Ø180*20	Ø180*20	Ø240*20	Ø200*20	Ø200*20
Quantity of Tray	4-6	3	3	4-6	3	3
Multi-Pipeline and bottles (unit)	/	/	8	/	8	8
Capacity for Penicilin bottle (Ø20)	260	165	165	360	270	270
Capacity for Penicilin bottle (Ø18)	480	285	285	740	555	555
Capacity for Penicilin bottle (Ø12)	920	560	560	1320	990	990
Consumption	1000W			1500W		
Power Supply	110V/220V , 50Hz			110V/220V , 50Hz		
External Size (W*D*H)	582 * 625 * 530 / 960			560 * 660 * 955 / 1470		
Package Size (mm)	740 * 730 * 770 330 * 330 * 510 570 * 225 * 330			740 * 670 * 1200 570 * 225 * 330		
Gross Weight	100 ~110Kg			140 ~150Kg		