

## PL.BB.CTFD Models - Square Cabinets -

PL.BB.CTFD series vacuum freeze dryer (Square Cabinet) is suitable for small amount of production. The machine is with shelf heating function, using PID technology which is accurate temperature control, human-computer interface using LCD screen with curves and data.

- Pre-freeze drying processing is in situ, put the material into the drying cabinet, it is automatic for the process of freezing and dring.
- The machine is cascade refrigeration technology. Famouse brand compressor which is low noise, large cooling capacity and high capacity of water capture to reduce the time of freeze drying.
- Silicon oil is intermediate medium in the shelves for heating to ensure drying material uniformity, temperature discrepancy is  $<1^{\circ}\text{C}$
- The shelf temperature can be adjustable and control which is easy for exploring of semi-work and production process.
- LCD display pannel with touch screen, it adopt PID intelligent control system, can display all important curves and data, human-computer interface can provide the user more information for relevant freeze drying process.
- Ice condensor and operation panel are made by stainless steel, corrosion-resistant and easy to clean.
- The inflation valve is optional, which can be filled with inert gas.
- The cabinet door is with high transparent colorless organic glass, the material charge process can be easily observed during the operation through the transparent door.
- The recorder and computer communication interface is optional



PL.BB.CTFD-20S



PL.BB.CTFD-50S



PL.BB.CTFD-100S



PL.BB.CTFD-100T

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PL.BB.CTFD-20S



PL.BB.CTFD-50S



PL.BB.CTFD-100S



PL.BB.CTFD-100T

### Specifications

MODELS	PL.BB.CTFD-20S Standard	PL.BB.CTFD-20T (Top-press)	PL.BB.CTFD-50S Standard	PL.BB.CTFD-50T (Top-press)	PL.BB.CTFD-100S Standard	PL.BB.CTFD-100T (Top-press)	PL.BB.CTFD-200S Standard	PL.BB.CTFD-200T (Top-press)
Material Temp (°C)	-50~+70	-50~+70	-50~+70	-50~+70	-50~+70	-50~+70	-50~+70	-50~+70
Ice Condenser Temp (°C)	-80	-80	-80	-80	-80	-80	-80	-80
Vacuum Degree (Pa)	<10	<10	<10	<10	<10	<10	<10	<10
Freeze Drying Area (m2)	0.24	0.3	0.7	0.5	1	1	2	2
Water Capture Capacity(Kg/24h)	6.5	6.5	10	10	15	15	30	30
Tray Specification (Ø*h mm)	300*400*15	295*335*15	360*500*15	360*500*15	360*480*15	600*480*15	500*900*15	500*900*15
Quantity of tray	2	3	4	3	6	4	5	5
Material Loading Capacity (ml)	4.5	4	10	8	15	15	30	30
Temperature uniformity (°C)	+1	+1	+1	+1	+1	+1	+1	+1
Deforst Function	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Bottle (Ø20)	760	805	1408	1056	2016	2016	4100	4100
Bottle (Ø16)	940	1550	2728	2046	3960	3960	7800	7800
Bottle (Ø12)	2120	2800	4920	3690	7200	7200	14400	14400
Power (V/ Hz)	220V/50Hz	220V/50Hz	220V/50Hz 380V/50Hz	220V/50Hz 380V/50Hz	220V/50Hz 380V/50Hz	380V/50Hz	380V/50Hz	380V/50Hz
Exterior Dimension (W*D*H) mm	600*800*1000	800*630*1400	800*700*1530	750*1220*1500	850*1450*1550		1200*2100*1700	