

F FREEZE DRYERS Economy

Introduction:

The tabletop type and vertical type 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 & other biological tissue enzymes, freeze-drying technology is applied.

Features:

- The 7 inch LCD display panel.
- Cascade refrigeration technology.
- With historical data inquiry function.
- Drying cabinet is transparent which is visual and safe.
- Large capacity ice condenser trap and without coil inside
- The machine is equipped with USB interface on control panel
- Ice condenser trap and operation panel are made by stainless steel
- The pre-freeze shelf can be used as guide barrel to speed up the drying rate.

Accessories:



Standard Chamber



Stoppering Chamber



Standard Stoppering Chamber with 8 Port Manifold



Standard Chamber with 8 Port Manifold



Rubber Valve & Round Flask



Stainless Steel 8 Port Manifold



Stainless Steel Shelves



Stainless Steel Chamber



Wide Mouth Flask

Introduction:

Our vacuum freeze dryer (square cabinet) is suitable for laboratory samples of freeze drying test, pilot use, and a small amount of production.



Filter



European Brand Compressor







High-effective Heat Exchanger







LCD Touch Screen





FDL-10N-50-Series, Bench Top Freeze Dryers

FDL-10N-50: 50°C Lyophilizer (freeze-dryer)				
	FDL-10N-50-BA	FDL-10N-50-8M	FDL-10N-50-TD	FDL-10N-50-TD-MM
Picture				
Type	Standard chamber	stopping chamber	Standard chamber with 8 port manifold	standard stopping chamber with 8 port manifold
Final Condenser Type	≤-56			
Vacuum degree	<10Pa			
Freeze-dry area	0.12 m ²	0.09 m ²	0.12 m ²	0.09 m ²
Shelves	4	3	4	3
Material loading capacity shelf	300ml			
Material loading capacity	1200ml	900ml	1200ml	900ml
Freeze drying time	24H			
Manifold	-	-	8 pieces	8 pieces
USB Interface	Yes			
Drying chamber	Transparent acrylic (Standard)			
Vacuum Pump	2XZ-2, Speed: 2L/s (Standard)			
Control System	Microprocessor, touch screen			
Water capture	3kg/24h			
Sample tray	Φ200mm x4		Φ180mm x3	
Power supply	AC220V±10%, 50/60Hz			
External size	W580xD625xH530/960mm			
Package size				
Main body	670x660x610mm			
Drying chamber	350x350x570mm			
Vacuum pump	570x370x190mm			
Gross Weight	105kg	110kg	110kg	110kg
Character	Shelf(plate) heating and cold trap (ice condenser) defrosting function are optional; The vacuum pump, standard drying chamber and all other accessories, like valve, flask etc. are standard accessories; The vacuum pump is independently packed in a separate package			

FDL-10N-80-Series, Floor Freeze Dryers

FDL-10N-80: 80°C Lyophilizer (freeze-dryer)				
	FDL-10N-80-BA	FDL-10N-80-8M	FDL-10N-80-TD	FDL-10N-80-TD-MM
Picture				
Type	Standard chamber	stoppering chamber	Standard chamber with 8 port manifold	standard stoppering chamber with 8 port manifold
Final Condenser Type	≤-55 or ≤-80			
Vacuum degree	<10Pa			
Freeze-dry area	0.12 m ²	0.09 m ²	0.12 m ²	0.09 m ²
Shelves	4	3	4	3
Material loading capacity shelf	300ml			
Material loading capacity	1200ml	900ml	1200ml	900ml
Freeze drying time	24H			
Manifold	-	-	8 pieces	8 pieces
USB Interface	Yes			
Drying chamber	Transparent acrylic			
Vacuum Pump	2XZ-2, Speed: 2L/s			
Control System	Microprocessor, touch screen			
Water capture	4kg/24h			
Sample tray	Φ200mm x4 lays		Φ180mm x3 lays	
Power supply	AC220V±10%, 50/60Hz			
External size	W480xD620xH1370mm			
Package size				
Main body	700x570x1050mm			
Drying chamber	350x350x570mm			
Vacuum pump	570x370x190mm			
Gross Weight	130kg	135kg		
Character	Shelf(plate) heating and cold trap (ice condenser) defrosting function are optional; The vacuum pump, standard drying chamber and all other accessories, like valve, flask etc. are standard accessories; The vacuum pump is independently packed in a separate package			

FDL-18N-70-Series, Floor Freeze Dryers

FDL-10N-80: 80°C Lyophilizer (freeze-dryer)				
	FDL-18N-70-BA	FDL-18N-70-8M	FDL-18N-70-TD	FDL-18N-70-TD-MM
Picture				
Type	Standard chamber	stopping chamber	Standard chamber with 8 port manifold	standard stopping chamber with 8 port manifold
Final Condenser Type	≤-55 or ≤-80			
Vacuum degree	<10Pa			
Freeze-dry area	0.18 m ²	0.135 m ²	0.18 m ²	0.135 m ²
Shelves	4	3	4	3
Material loading capacity shelf	450ml			
Material loading capacity	1800ml	1350ml	1800ml	1350ml
Freeze drying time	24H			
Manifold	-	-	8 pieces	8 pieces
USB Interface	Yes			
Drying chamber	Transparent acrylic			
Vacuum Pump	2XZ-4, Speed: 4L/s			
Control System	Microprocessor, touch screen			
Water capture	6kg/24h			
Sample tray	Φ200mm x4 lays	Φ200mm x3 lays	Φ200mm x4 lays	Φ200mm x3 lays
Power supply	AC220V±10%, 50/60Hz			
External size	W560xD710xH950/1400mm			
Package size				
Main body	770x670x1200mm			
Drying chamber	420x420x600mm			
Vacuum pump	570x225x330mm			
Gross Weight	150kg	165kg	165kg	175kg
Character	Shelf(plate) heating and cold trap (ice condenser) defrosting function are optional; The vacuum pump, standard drying chamber and all other accessories, like valve, flask etc. are standard accessories; The vacuum pump is independently packed in a separate package			