

Freeze dryer is a kind of drying equipment which mainly uses the principle of sublimation. The material is rapidly frozen at low temperatures, and then in a suitable vacuum, the frozen water molecules sublimate directly into a process of water vapor escape. Freeze-dried products have excellent rehydration and little moisture, and can be stored and transported for a long time at room temperature after suitable packaging. Because of its incomparable advantages, Freeze dryer is more and more favored by people, and has been increasingly widely used in medicine, biological products and food.

Lab1st provides you with lab scale, pilot scale and industrial production freeze dryers to meet your different needs.



Freeze Dryer

## Features:

Digital LCD touch screen, recording the temperature of cold trap and sample as well as the vacuum degree, whose data can be exported.

Efficient protection for the vacuum pump, starting after reaching the pre-set temperature

A variety of defrosting options: Thermal defrost, electric heating defrost, etc

Optional shelves function: oil heating shelves, electric heating shelves, shelves refrigeration, ect

## Technical Data:

Model	FDL1R-1A
Technical Data	
Dimension [mm]	400×620×400
Weight [Kg]	36
Electricity	220V; 50Hz; 900W
Condenser Temperature	≤-50℃
Limiting Vacuum Degree	<10Pa
Condenser Chamber	
Ice Condenser Capacity, Max [Kg]	3
Water Capture Capacity, Max	3Kg/24h
Temperature	≤-50℃
Chamber Dimension [mm]	Φ240×150
Chamber Volume	6L
Configuration	

Vacuum Pump	●
Mist(oil&water) Separator	●
Anti Oil Return Device	○
Drying Chamber	
A (Standard Chamber)	●
B (Stoppering Chamber)	○
C (Standard Chamber with 8 Port Manifold)	○
D (Standard Stoppering Chamber with 8 Port Manifolds)	○
E (T-Frame with 8 Port Manifolds)	○
Function	
Touch Sreen	●
USB Data Interface	●
Inflatable Valve for Inert Gas	●
Thermal radiation defrost	●
Shelves Heating	—
Shelves Refrigeration	—

## Package Information:

Length (cm)	Width (cm)
Height (cm)	CBM (m3)
Weight (kg)	Total capacity
Product Serial No. 9153	2023-06-01 16:29:33

Technical details and dimensions are subject to change. No liability is accepted for errors or omissions. Illustrations can deviate from the original.

