

Choose your suitable freeze dryer

Simple freeze drying		Protocol exploration	
Acrylic chamber	Standalone	Single chamber pilot freeze dryer	Double chambers pilot freeze dryer
LFD 4 series LFD 6 series LFD 8 series	LFD 9 series	FD 806P-3 FD 806P-2 LYO 0485S	FD 815P-3S FD 815P-4S FD 815P LYO 0885D LYO 1585D

Choose suitable temperature

Choose different cold trap temperature according to the organic solution in the sample.

Choose your freeze dryer

Primary factor : the purpose of your application:

1.Simple freeze drying--lab freeze dryer: acrylic chamber freeze dryer and standalone freeze dryer.

2.Protocol exploration-- Pilot R&D&LYO series.

-55°C	-85°C	-105°C
Aqueous sample	Low freezing point sample	Sample containing organic
LFD 4055 LFD 6055 LFD 8055 LFD 9055	LFD 4085 LFD 6085 LFD 8085 LFD 9085	LFD 6105 LFD 8105 LFD 9105

4Kg	8Kg	12Kg
LFD 4055 LFD 4085	LFD 6055/LFD 6085/LFD 6105 LFD 9055/LFD 9085/LFD 9105	LFD 8055 LFD 8085 LFD 8105

Different ice capacity

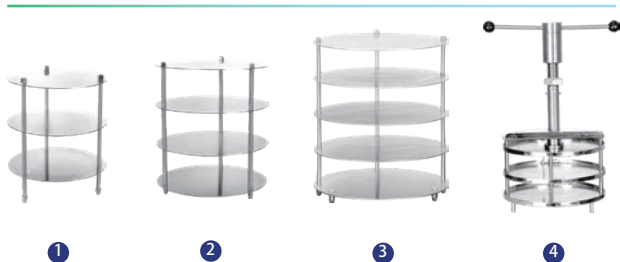
Cold trap ice capacity is related to the total amount of water or other solvents sublimed in the sample in the laboratory's daily experimental operation. YUYAN lab freeze dryer has different ice capacity to meet the lab's requirement of different volume.

Unique option

For the features of lab platform, especially R&D lab platform. 1. Many users; 2. Various sample types; 3. Uncertain sample volume; 4. Different sample types and uncertain freeze drying cycle, YUYAN lab public platform freeze dryer is committed to meet the different needs of customers.

Lab Public Platform Freeze Dryer
LFD 9055/LFD 9085/LFD 9105

Choose your accessories



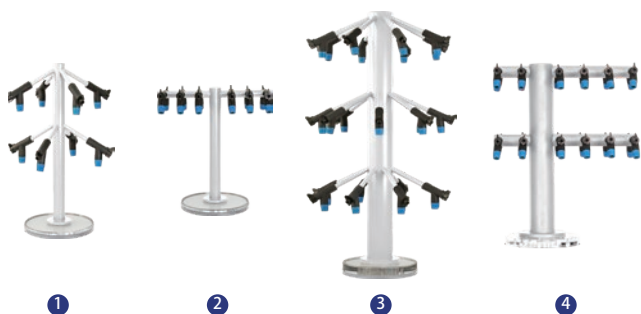
Shelf

1. 3×Φ260mm shelves, total shelf area 0.16m², shelf spacing 90mm.
2. 4×Φ260mm shelves, total shelf area 0.21m², shelf spacing 70mm.
3. 6×Φ260mm shelves, total shelf area 0.32m², shelf spacing 70mm.
4. 2×Φ250mm stoppering shelves with total area 0.1m², can stopper vial under vacuum, or stopper after backfill proper gas.



One-piece acrylic chamber

1. One-piece acrylic chamber with 3/4 shelves, for sample such as crystallizing dish.
- 2 & 3. One-piece acrylic chamber with shelves and 8/12 ports to connect round bottom flask, wide neck bottles.



Manifold rack

- 1.2.3 & 4 Has 8/12/24 ports to connect round bottom flask, wide neck bottle.



Ampoule accessories

1. Manifold rack with 48 ports to connect 48 ampoule; Ampoule bottle.
2. 250ml/500ml round bottom flask.
3. 300ml/600ml/1200ml wide neck bottles.



Technical Specification	LFD 4 series	LFD 6 series	LFD 8 series	LFD 9 series
	LFD 4055/4085	LFD 6055/6085/6105	LFD 8055/8085/8105	LFD 9055/9085/9105
Lyo S operating system	●			
Vacuum control	●			
Hot gas defrosting	●			
Flange face seal	●			
External coil condenser	●			
Teflon anti-corrosion coating	●			
Frosting-proof insulation	●			
Sample temperature stimulation	●			
One-key pressure relief	●			
Vacuum pump anti-backfilling design	●			
Corrosion-resistant pump		○		●
Stopperring device		○		●
Ultimate vacuum	0.01mbar/1pa			
Vacuum control range	0.001-1000mbar			
Condenser temperature	-55/-85°C	-55/-85/-105°C	-55/-85/-105°C	-85/-105°C
Shelf Qty.	3/4 or more shelves			3 shelves
Shelf area	0.16m ² -0.32m ²			0.48m ²
Shelf dimension	Φ260mm			325*500mm
Condenser efficiency	4Kg/24h	6Kg/24h	8Kg/24h	8Kg/24h
Max. ice capacity	4Kg	8Kg	12Kg	12Kg
Main unit dimension	W455*D550*H430mm	W780*D550*H430mm	W700*D650*H1015mm	W860*D770*H1280mm
Main unit weight	53kg/66kg	69kg/82kg/83Kg	125kg/145Kg	180kg/200Kg
Main unit power	0.8KW/1.3KW	0.9KW/1.6KW/1.7KW	1.1KW/1.8KW/1.9KW	2.2KW/2.3KW
Power supply	10A, 220V		16A, 220V	

Remarks: ● Standard ○ Option — N/A