

Lyophilizer Freeze Dryer Dehydrating Heat-Sensitive

LaboSys[®]
Technology Benefiting Humanity



Product Details

Through continuous innovation, we have completed the development layout in the field of manufacturing the small spray dryer, spray drying of milk, rotary evaporator for sale. Our success comes from your support and trust. If you give us the order, you will have a satisfactory answer. Our company absorbs new ideas, strict quality control, a full range of service tracking, and adhere to make high-quality solutions. Since the establishment of the company, we thank to the long-term care and support of all users, because of their concern we have accomplished the present development.

LuxMed[®] Lyophilizer Freeze Dryer , also known as freeze dryer, home freeze dryer, is a small vacuum freeze dryer. Apply to the family, online shop a small amount of freeze-dried use, widely adapted to fruits, meat, vegetables, Chinese herbal medicines, health products, etc. freeze-drying

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Characteristics:

1. Perfect appearance, compact size;
2. Touch screen operation, one key to start, and automatic freeze drying process, easy and convenient;
3. Key components with imported brands, small noise, large capacity, high quality and high performance;
4. Advanced system, with low operating current and low energy consumption;
5. 304 stainless steel food tray and inside liner, safety and easy clean;
6. Transparent organic glass door, the direct observation of food processing;

Features of LuxMed® Lyophilizer Freeze Dryer :

1. Humanized design of the whole machine, plug and play, beautiful appearance, compact structure and high cost performance.
2. The integrated design of the tank and trap makes the sublimation channel shorter, which is conducive to the rapid sublimation of water vapor.
3. The original imported refrigeration compressor has large refrigeration capacity, high efficiency and energy saving, long service life and low noise.



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Application fields of LuxMed® Lyophilizer Freeze Dryer :

- Vegetables:** edible mushrooms, garlic slices, chives, spring onions, green beans, peas, cucumbers, sweet corn, carrot slices, spinach, asparagus, wild vegetables, etc.
- Aquatic products and meat:** shellfish, shrimp, fish sticks, beef, pork, chicken, diced lamb, etc.
- Seasoning:** garlic powder, ginger powder, spring onion powder, tomatoes, pepper.
- Instant beverages:** coffee, tea, soup, soy milk, milk, etc.
- Convenience food:** children's food, snack food, camp food.
- Pharmaceutical field:** Western pills, reagents, powder injections, fresh Chinese herbal medicine, ginseng, antler wolfberry, Panax notoginseng, etc.
- Material field:** freeze-drying of new graphene materials;
- Biological field:** freeze-dried flowers, placenta, cells, etc.

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4. Using aerospace-grade high-transmittance plexiglass door, you can observe the whole process of sample freeze-drying changes in real time.
5. The operation is simple and the degree of automation is high, and the whole process of freeze-drying can be completed with only one button.
6. Preset standard freeze-drying process, no need to deeply understand the cumbersome freeze-drying principle and freeze-drying process, one-click process introduction.
7. Intelligent fault diagnosis technology, which displays fault information in text form, which greatly facilitates equipment maintenance and fault repair.
8. Safety lock function. Prevent misoperation from modifying the system status and process parameters, causing freeze-drying failure or instrument damage.
9. The clapboard intelligent energy-saving temperature control technology has high temperature control accuracy, significant energy-saving effect, and the system is stable and reliable.
10. One-key quick defrost technology, safe and efficient.



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Technical Parameters: Freeze Dryer with Oil-Free Pump, Stainless Steel

Model	LM-RC-FD43-ULT	LM-RC-FD43-ULT-EP	LM-RC-DF43-DFR	LM-RC-DF43-DFR-EP	LM-CY-FD43-ULT	LM-CY-FD43-ULT-EP	LM-CY-DF43-DFR	LM-CY-DF43-DFR-EP
Type	Standard chamber	4 port manifold	Standard chamber	4 port manifold	Standard chamber	4 port manifold	Standard chamber	4 port manifold
Cold Trap Temp.	-88°C		-40°C		-88°C		-40°C	
Shelf Temp.	-60~+70°C		-30~+35°C		-60~+70°C		-30~+35°C	
Temp. Uniformity	±1°C		±1°C		±1°C		±1°C	
Vacuum Degree	≤0.1Pa		≤0.1Pa		≤0.1Pa		≤0.1Pa	
Cold Trap Volume	11L		11L		11L		11L	
Freezer Drying Area	0.1m ²		0.1m ²		0.1m ²		0.1m ²	
Condensing Capacity	3kg/h		3kg/h		3kg/h		3kg/h	
Qty. Of Shelf	1		1		1		1	
Drying Chamber Capacity	43L		43L		43L		43L	
Drying Chamber Size	270mm x 400mm x 400mm		270mm x 400mm x 400mm		Diameter :300mm x Length : 430mm		Diameter :300mm x Length : 430mm	
Material Loading Capacity	3000ml		3000ml		3000ml		3000ml	
Total Qty. of Vial	Φ22mm	216	216	216	216	216	216	216
	Φ16mm	400	400	400	400	400	400	400
	Φ12mm	726	726	726	726	726	726	726
Manifold	/	4 pieces	/	4 pieces	/	4 pieces	/	4 pieces
USB Interface	Yes		Yes		Yes		Yes	
Drying Chamber(Standard)	Transparent Acrylic		Transparent Acrylic		Transparent Acrylic		Transparent Acrylic	
Vacuum Pump	Standard		Standard		Standard		Standard	
Control System	Microprocessor, touch screen		Microprocessor, touch screen		Microprocessor, touch screen		Microprocessor, touch screen	
Power Supply	220/110V, 50/60Hz		220/110V, 50/60Hz		220/110V, 50/60Hz		220/110V, 50/60Hz	
Power	2.3kW		2.3kW		2.3kW		2.3kW	
Cold Trap Size(Φ*Hmm)	215*190mm		215*190mm		215*190mm		215*190mm	
Shelf Size(W*D*H)	270*400*150mm		270*400*150mm		270*400*150mm		270*400*150mm	
External Size(W*D*H)	820*695*600/995mm		820*695*600/995mm		820*695*600/995mm		820*695*600/995mm	
Host Package Size(W*D*H)	940*840*990mm		940*840*990mm		940*840*990mm		940*840*990mm	
Vacuum Pump Package Size(W*D*H)	600*230*300mm		600*230*300mm		600*230*300mm		600*230*300mm	
Gross Weight	180kg	210kg	180kg	210kg	180kg	210kg	180kg	210kg

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