



KLABS Freeze Dryer for Food -40°C(Lyophilizer)



Product Description

The KLABS Freeze Dryer (Lyophilizer) is a high-performance freeze-drying system designed for efficient dehydration of food, pharmaceutical, biological, and laboratory samples. It ensures excellent product preservation by removing moisture under controlled vacuum conditions while maintaining the original quality, structure, and nutritional properties of the material.



Features

- Suitable for full meals, liquids, fruits, and ready-to-eat food
- Automatic process: Freezing → Vacuum → Drying → Completion
- Minimal user intervention (Load → Start → Collect)
- 7-inch touchscreen interface for easy operation
- Preset programs for one-touch operation
- Equipped with multiple intelligent modes for flexible operation: Quick Mode, Professional Mode, Frozen Mode, and Defrost Mode
- Equipped with 4 precision-fabricated stainless steel trays
- Uniform thermal distribution ensures consistent drying across all levels

Application/Uses

- Food Processing Industry
- Pharmaceutical Industry
- Biotechnology Laboratories
- Research & Development Laboratories
- Agricultural Research Institutes
- Herbal & Ayurvedic Product Processing
- Dairy Product Preservation
- Nutraceutical Manufacturing
- Coffee & Beverage Processing



Accessories

Vacuum Pump	Drain Tube
Silicone Vacuum Hose	Vacuum Pump Tool Kit
Funnel	Vacuum Filter
Coupling Set with Seals	Rectangular Trays
Display Stand	Instruction Manual
Touchscreen Display Module	Test Report

General Features

Parameter	KFDF-740	KFDF-1540
Load Capacity	5 ~ 7 kg	10 ~ 15 kg
Drying Surface Area (m ²)	0.4 m ²	1.18 m ²
Tray Dimensions	220 x 550 mm	265 x 612 mm
Number of Trays	4	4
Tray Spacing	40 mm	40 mm
Tray Material (Grade)	SS304	SS304
Condenser Temp. Range	-40°C	-40°C
Operating Ambient Temp.	10°C to 25°C	10°C to 25°C
User Interface Display	7" Touch Screen	7" Touch Screen

Vacuum & Drying System

Parameter	KFDF-740	KFDF-1540
Ultimate Vacuum Level (Pa)	<15 Pa	<15 Pa
Vacuum Pump Type	Available (DSVP66)	Available (DSVP66)
Operational Noise Level	66 dB	66 dB
Defrost System	Heating Coil	Heating Coil
Program Memory Capacity	10 recipes	10 recipes
Vacuum Control System	Not available	Not available

Power & Physical Specifications

Parameter	KFDF-740	KFDF-1540
Power Requirements	AC 220V / 50 Hz	AC 220V / 50 Hz
Main Unit Dimensions	710 x 450 x 790 mm	710 x 450 x 790 mm
Total Shipping Weight	130 kgs	130 kgs