



TORONTECH



HOUSEHOLD VACUUM FREEZE DRYER

Household Vacuum Freeze Dryer is ideal for small-scale freeze-drying in homes and shops. It is commonly used for preserving fruits, meat, vegetables, herbal remedies, health products, and more.

APPLICATIONS

The Torontech Household Vacuum Freeze Dryer is designed to bring the advanced food preservation technique of lyophilization to a home or small-scale commercial setting. Its primary application is to remove water from perishable goods at low temperatures, perfectly preserving the food's original shape, color, flavor, and nutritional value for exceptionally long-term, shelf-stable storage without the need for refrigeration or chemical preservatives.

This advanced preservation technology is ideal for use by:

- **Home Gardeners & Homesteaders:** To preserve the peak-season harvest of fruits, vegetables, and herbs, transforming perishable produce into lightweight, nutrient-dense foods that can be stored for years in the pantry.
- **Outdoor Enthusiasts & Emergency Preparedness:** For creating lightweight, high-energy, and nutritious meals for hiking, camping, and long-term emergency food supplies that rehydrate quickly and retain their original taste.
- **Gourmet & Specialty Food Producers:** To create unique, high-value artisanal products such as freeze-dried candies, pet treats, coffee, or for preserving delicate ingredients like herbs and edible flowers for culinary use.
- **Health & Wellness Consumers:** For preserving nutrient-rich superfoods, herbal remedies, and health supplements, locking in their potency and extending their shelf life far beyond that of traditional drying methods.

Household Vacuum Freeze Dryer

Household Vacuum Freeze Dryer

CYFD-4 / CYFD-6 / CYFD-8

Household Vacuum Freeze Dryer

CYFD-15

FEATURES

- Compact integrated design for ease of use and leak-free operation.
- Made with inert, food-grade materials for product safety.
- Durable stainless steel cold trap with anti-corrosion properties and easy cleaning.
- Pre-freezing functionality eliminates the need for a separate refrigerator.
- Cold trap evenly captures ice with high efficiency and strong capacity.
- Equipped with a top-tier compressor offering high energy efficiency, durability, and low noise levels.
- High-speed vacuum pump ensures a superior ultimate vacuum.
- Smart data recording and export capabilities for enhanced monitoring and analysis.

TECHNICAL SPECIFICATIONS

Model	CYFD-1	CYFD-4	CYFD-6	CYFD-8	CYFD-15
-------	--------	--------	--------	--------	---------

Effective area	0.1 m ²	0.34 m ²	0.55 m ²	0.92 m ²	1.45 m ²
Layer spacing	43mm	45mm	70mm	38mm	43mm
Min. temperature of the layer	≤ -25 °C (no-load)				≤ -40 °C (no-load)
Cooling rate of the layer	≤ 120 min (+20°C to -25°C)				≤ 120 min (+20°C to -40°C)
Heating rate of the layer	≤ 120 min (-25°C to +20°C)				≤ 120 min (-40°C to +20°C)
Temperature difference of the layer	≤ ±1°C				
Temperature range of the layer	-25°C ~ +80°C			-35°C ~ +80°C	-40°C ~ +80°C
22 penicillin bottle capacity	210 pieces	715 pieces	1158 pieces	1937 pieces	3053 pieces
16 penicillin bottle capacity	405 pieces	1350 pieces	2189 pieces	3662 pieces	5772 pieces
12 penicillin bottle capacity	710 pieces	2400 pieces	3892 pieces	6510 pieces	10260 pieces
Processing ability	2kg/batch	4-6kg/batch	6-8kg/batch	10-12kg/batch	18-20kg/batch
Liquid product capacity	About 2L (thickness 10mm)	About 6L (thickness 10mm)	About 8L (thickness 10mm)	About 12L (thickness 10mm)	About 20L (thickness 10mm)
Layer size	150mm*280mm	210mm*435mm	330mm*445mm	275mm*445mm	275mm*790mm
Min. Temperature of the cold trap	≤ -35 °C (no-load)				≤ -60 °C (no-load)
Cooling rate of the cold trap	Drop from 20 °C to -35 °C/within 20min				Drop from 20 °C to -60 °C/within 60min
Ice condensation capacity	≤ 3Kg	≤ 6Kg	≤ 8Kg	≤ 12Kg	≤ 18Kg

Defrosting method	Electric heating defrosting				
System ultimate vacuum degree	≤ 5Pa				
Refrigerant	R404				
Installed power	1.1kW	1.5kW	2kW	2.5kW	3.5kW
Dimensions	450W*500D*825H mm	500W*640D*900H mm	680W*640D*1180H mm	680W*640D*1180H mm	680W*990D*1180H mm
Packaging size	570*680*1170mm	630*840*1260mm	820*800*1540mm	820*800*1540mm	820*1170*1600mm
Net weight	73KG	84KG	125KG	130KG	186KG
Packaging weight	113KG	139KG	197KG	203KG	281KG
Noise	≤ 62dB				
Voltage	Single phase 220V (110V is also available)				



Torontech Inc.

251 Consumers Road, Suite 1200
Toronto, Ontario, M2J 4R3, Canada 

Phone: +1 416 368 2721 | Fax: +1 416 981 7652
Email: info@torontech.com

Torontech, LLC

601 Brickell Key Drive, Suite 700
Miami, FL 33131, USA 

Toll-Free: 1-866-383-7919
Email: sales@torontech.com

Torontech ME FZE

Meydan Grandstand, 6th Floor,
Meydan Road, Nad Al Sheba,
Dubai-261440, UAE 

Phone: +971 488 19252
Email: me@torontech.com

