BioSpectrix

BIOSPECTRIX
SMART FOOD FREEZE DRYERS

Preserve Freshness | Lock Nutrition | Extend Shelf Life



BioSpectrix Pvt Ltd

Plot-211, 3rd Floor, Okhla Industrial Area,
Phase-3, New Delhi -110020, India

www.biospectrix.co | +91-8977638803 | sales@biospectrix.co

BIOSPECTRIX PVT LTD

BIOSPECTRIX FOOD FREEZE DRYER

For **HOME & SMALL BUSINESS**

Vaccum Freeze Food Items Like Vegetables, Fruits, Leaves, Meat , Tea , Coffee



Introduction to Freeze Drying

- The vacuum freeze drying technology, which is also called sublimation drying, is a technical method that freezes the samples in advance, and then sublimates its moisture under vacuum state.
- **This freeze dryer is suitable for drying products in bulk, such as food, plants, herbal and so on. It has shelf heating function to shorten drying time . and shelf temperature can be controlled by program. Pre–freezing and drying process both finished on shelf, no need to move product, to make drying process easier and more convenient.**

Main Features

- Bench top type , small volume, compact structure, easy operation
- Condenser with uniform and good ice capture function
- With shelf electricity heating function, increasing drying speed
  Shelf temperature can be controlled by program on touch screen
- Excellent temperature control performance, each shelf has an independent temperature sensor. Ensure temperature uniformity between shelves
- Color LCD touch screen, display freeze drying curves, save data automaticall
- With USB port to output freeze drying data, open and view in Excel format
- Pre-freezing and drying process both finished on shelf, no need to move product
- Inner wall of chamber is made of stainless steel 304
- Shelf made of aluminum alloy
- Tray made of aluminum alloy (SS304 optional)
- Transparent acrylic door ,user can observe the whole process of freeze-drying
- CFC-free refrigerant, international famous brand compressor, low noise,good efficiency
- One click quick defrosting technology, safe and efficient

BioSpectrix Pvt. Ltd | Plot-211, 3rd Floor, Okhla Industrial Area, Phase-3, New Delhi -110020, India | www.biospectrix.co | sales@biospectrix.co

BIOSPECTRIX PVT LTD



Why Choose BSFFD Series?

- ✔ Specially Designed for Food Industry
- ✔ High Efficiency with Energy Saving
- ✔ User-Friendly Operation (PLC + Touchscreen)
- ✔ Food-Grade Stainless Steel Construction
- ✔ Long Shelf Life without Preservatives


Fesh Banana Freeze Dried Banana


Fresh Green Peas Freeze Dried Green Peas


Fresh Jamun Freeze Dried Jamun


Fresh Tomatoes Freeze Dried Tomatoes


Fresh Mango Freeze Dried Mango


Fresh Sweet Corn Freeze Dried Sweet Corn


Fresh Egg Yalk Freeze Dried Egg Yalk


Fresh Biryani Freeze Dried Biryani


Fresh Pineapple Freeze Dried Pineapple


Fresh Lemon Freeze Dried Lemon


Fresh Poha Dried Poha


Fresh Soup Freeze Dried Soup


Fresh Dragon Fruit Freeze Dried Dragon Fruit


Fresh Okra Freeze Dried Okra


Fresh Shrimps Freeze Dried Shrimps


Fresh Strawberry Freeze Dried Strawberry


Fresh Kiwi Freeze Dried Kiwi


Fresh Cheese Freeze Dried Cheese


Fresh Milk Freeze Dried Milk


Fresh Paneer Freeze Dried Paneer

BioSpectrix Pvt. Ltd | Plot-211, 3rd Floor, Okhla Industrial Area, Phase-3, New Delhi -110020, India | www.biospectrix.co | sales@biospectrix.co

BIOSPECTRIX PVT LTD

BSFFD-04



DESCRIPTION

- Rated Voltage: 220-240V/50Hz/60Hz 110V/60Hz
- Rated Power: 1500W
- Rated drying Capacity: 4kg
- Tray Size: 200*355*20mm
- Tray Qty: 4
- Drying Area: 0.28㎡
- Minimum Vacuum Pressure: 5Pa
- Minimum Cold Trap Temperature: -40℃
- Product Size: 44*55*68cm(estimated)
- Net Weight: 45kg(estimated)
- Control Method: Digital Control
- Noise Level: 60dB
- Color: Black / White
- N.W (KG) : 45 (estimated)
- G.W (KG) : 90 (estimated)

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-07



DESCRIPTION

- Rated Voltage: 220-240V/50Hz/60Hz 110V/60Hz
- Rated Power: 1700W
- Rated drying Capacity: 5-7kg
- Tray Size: 190*460*20mm
- Tray Qty: 5
- Drying Area: 0.4㎡
- Minimum Vacuum Pressure: 5Pa
- Minimum Cold Trap Temperature: -40℃
- Product Size: 50*63*81cm
- Net Weight: 79kg
- Control Method: Digital Control
- Noise Level: 60dB
  N.W (KG) : 79 (estimated)
  G.W (KG) : 105 (estimated)

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-10



DESCRIPTION

- Rated Voltage: 220-240V/50Hz
- Rated Power: 2000W
- Rated drying Capacity: 10kg
- Tray Size: 232×520×20mm
- Tray Qty: 6
- Drying Area: 0.72㎡
- Minimum Vacuum Pressure: 5Pa
- Minimum Cold Trap Temperature: -40℃
- Product Size: 55*68*88cm
- Net Weight: 90kg(estimated)
- Control Method: Digital Control
- Noise Level: 60dB
  N.W (KG) : 90 (estimated)
  G.W (KG) : 130 (estimated)

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- Overseas imported compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-20



DESCRIPTION

- Rated Voltage: 220-240V/50Hz
- Rated Power: 3200W
- Rated drying Capacity: 20kg
- Tray Size: 275×750×20mm
- Tray Qty: 7
- Drying Area: 1.25㎡
- Minimum Vacuum Pressure: 5Pa
- Minimum Cold Trap Temperature: -45℃
- Product Size: 62*95*92cm(estimated)
- Net Weight: 120kg(estimated)
- Control Method: Digital Control
- Noise Level: 65dB
- N.W (KG) : 120 (estimated)
- G.W (KG) : 160 (estimated)

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- Overseas imported compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-42



DESCRIPTION

- Rated Voltage: 220/50Hz
- Rated Power: 9.5 KW
- Rated drying Capacity: 4Ckg
- Tray Size: 420*898 (mm)
- Tray Qty: 8
- Drying Area: 3㎡
- Minimum Vacuum Pressure: Below 2Pa
- Minimum Cold Trap Temperature: -55℃
- Product Size: 62*95*92cm(estimated)
- Net Weight: 335kg
- Control Method: Digital Control
- Noise Level: 60dB
- Color: Black / White
- N.W (KG) : 335 kg
- G.W (KG) :

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-60



DESCRIPTION

- Rated Voltage: 220-240V/50Hz/60Hz 110V/60Hz
- Rated Power: 6500 W
- Rated drying Capacity: 60kg
- Tray Size: 485*600*30mm
- Tray Qty: 14
- Drying Area: 4㎡
- Minimum Vacuum Pressure: Below 2Pa
- Minimum Cold Trap Temperature: -70℃
- Product Size: 62*95*92cm
- Net Weight: 335
- Control Method: Digital Control
- Noise Level: 65dB
- Color: Black / White
- N.W (KG) : 335 kg (estimated)
- G.W (KG) : 455kg (estimated)

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-75



DESCRIPTION

- Rated Voltage: 380 v Three phase electricity
- Rated Power: 9.5 KW
- Rated drying Capacity: 75kg
- Tray Size: 500*550*30 (mm)
- Tray Qty: 18
- Drying Area: 4.95 ㎡
- Minimum Vacuum Pressure: Below 2Pa
- Minimum Cold Trap Temperature: -45℃
- Product Size: 62*95*92cm(estimated)
- Net Weight: 335kg
- Control Method: Digital Control
- Noise Level: 65dB
- Color: Black / White
- N.W (KG) : 335 kg
- G.W (KG) :

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BSFFD-100



DESCRIPTION

- Rated Voltage: 380 v
- Rated Power: 27 KW
- Rated drying Capacity: 100 kg
- Tray Size: 500*550*30 (mm)
- Tray Qty: 18
- Drying Area: 10㎡
- Minimum Vacuum Pressure: 3-5Pa
- Minimum Cold Trap Temperature: -45℃
- Product Size: 4200*1800*2300mm
- Net Weight: 3.5t
- Control Method: Digital Control
- Noise Level: 65dB
- Color: Black / White
- N.W (KG) : 3.5t
- G.W (KG) : 3.5t

FEATURES:

- Optimized compact design;
- SS304 material liner and trays;
- High-quality compressor, stable and efficient;
- Famous branded vacuum pump, low noise and no oil mist;
- Advanced intelligent drying program, easy operation;
- High dehydraion efficiency, energy saving;
- Real time status display;
- Clear observation window;
- Compressor - Imported, Huayi brand
- Vacuum Pump - Imported, Value brand

BIOSPECTRIX PVT LTD

BIOSPECTRIX
FOOD FREEZE DRYER
for
HOME & SMALL BUSINESS

Vaccum Freeze Food Items Like Vegetables, Fruits, Leaves, Meat , Tea , Coffee



BioSpectrix Pvt Ltd

+91 -7995799506
+91 -8977638803

sales@biospectrix.co

www.biospectrix.co