

FLOOR TYPE FREEZE DRYER



FLOOR TYPE FREEZE DRYER

Floor Type Freeze Dryer maximizes plant reliability and ease of use, reduces energy consumption, optimizes space requirements and minimizes maintenance requirements. This is a compact console with casters that make it easy to move. It has CFC free environment friendly refrigeration with low cost and maintenance.

Used in Perishable Substances, Waste Products, Laboratory, Research, Proteins, Organic Tissues, Plant Material, Polymers, Pharmaceuticals, Nutraceuticals, Plant material.

Also known as Floor Standing Freeze Dryer, Freeze Drying Equipment, Floor Type Freeze Dryer, Laboratory Floor Type Freeze Dryer, laboratory Floor Standing Freeze Dryer, Laboratory Freeze Drying Equipment, Floor Standing Lyophilizer, Floor Type Lyophilizer, Standard Freeze Dryer, Manifold Freeze Dryer, Top Press Freeze Dryer, Top Press with Manifold Freeze Dryer, T-Manifold Freeze Dryer.

ZF11 SERIES FLOOR TYPE FREEZE DRYER

- 7 Inch color touch control LCD display
- Display run time & vacuum parameter
- The cold trap with freezing function eliminates the low temperature refrigerator
- Imported compressor, high capability of water-capture, low noise
- Mixed refrigerant, green environmental protection
- Built-in heat exchanger effectively reduces the temperature of cold trap
- Anti-return oil vacuum pump to prevent the pollution of the material
- Transparent bell-cap drying room is safe and visual
- Optional distribution defrosting function
- Optional nitrogen inflating valve



SPECIFICATIONS

Model	ZF111	ZF113	ZF112
Name	Standard Freeze Dryer	Manifold Freeze Dryer	Top Press Freeze Dryer
Type	Standard	Manifold	Top Press
Tray	4		3
Tray Diameter	200 mm		
Interlayer Spacing	70 mm		
Vial ϕ 22	260		165
Vial ϕ 16	480		285
Vial ϕ 12	920		560
Condenser Temperature	<50°C		
Freeze Drying Surface Area	0.12 m ²		0.092 m ²
Plate Load Capacity	1.5 L		1 L
Water Holding Capacity	4 Kg/24 h		

Vacuum	<10 Pa		
Overall Dimension	500x400x650 mm		
Power	950 W		
Power Supply	220 V 50 HZ /110 V 60 Hz		
Flask	-	8	-
No of Sealed Valves	-	-	-

Model	ZF114	ZF115
Name	Top Press with Manifold Freeze Dryer	T-Manifold Freeze Dryer
Type	Top Press with Manifold	T-Manifold
Tray	3	-
Tray Diameter	200 mm	-
Interlayer Spacing	70 mm	-
Vial ϕ 22	165	-
Vial ϕ 16	285	-
Vial ϕ 12	560	-
Condenser Temperature	<50°C	
Freeze Drying Surface Area	0.092 m ²	-
Plate Load Capacity	1 L	-
Water Holding Capacity	4 Kg/24 h	
Vacuum	<10 Pa	
Overall Dimension	500x400x650 mm	-
Power	950 W	-
Power Supply	220 V 50 HZ /110 V 60 Hz	
Flask	8	-
No of Sealed Valves	-	24 pieces for 24 ampoules

OPTIONAL ACCESSORIES

Accessory Code	Name	For Models
FX5001	Condenser Temperature: -80°C	All
FX5002	PLC controller	All
FX5007	Vacuum Pump	All
FX5003	100 ml Flask	ZF113, ZF114

Accessory Code	Name	For Models
FX5004	250 ml Flask	ZF113, ZF114
FX5005	500 ml Flask	ZF113, ZF114
FX5006	1000 ml Flask	ZF113, ZF114



ZF111



ZF113



ZF112



ZF114



ZF115

ZF12 SERIES FLOOR TYPE FREEZE DRYER

- 7 Inch color touch control LCD display
- Display run time & vacuum parameter
- The cold trap with freezing function eliminates the low temperature refrigerator
- Imported compressor, high capability of water-capture, low noise
- Mixed refrigerant, green environmental protection
- Built-in heat exchanger effectively reduces the temperature of cold trap
- Anti-return oil vacuum pump to prevent the pollution of the material
- Transparent bell-cap drying room is safe and visual
- Optional distribution defrosting function
- Optional nitrogen inflating valve



SPECIFICATIONS

Model	ZF121	ZF123	ZF122
Name	Standard Freeze Dryer	Manifold Freeze Dryer	Top Press Freeze Dryer
Type	Standard	Manifold	Top Press
Tray	4		3
Tray Diameter	240 mm		
Interlayer Spacing	70 mm		
Vial ϕ 22	360		270
Vial ϕ 16	740		560
Vial ϕ 12	1320		990
Condenser Temperature	<50°C		
Freeze Drying Surface Area	0.27 m ²	0.092 m ²	0.27 m ²
Plate Load Capacity	2 L		1 L
Water Holding Capacity	6 Kg/24 h		
Vacuum	<10 Pa		
Overall Dimension	800x530x900 mm		
Power	1300 W		
Power Supply	220 V 50 HZ /110 V 60 Hz		
Flask	-	8	-
No of Sealed Valves	-	-	-
Model	ZF124		ZF125

Name	Top Press with Manifold Freeze Dryer	T-Manifold Freeze Dryer
Type	Top Press with Manifold	T-Manifold
Tray	3	-
Tray Diameter	240 mm	-
Interlayer Spacing	70 mm	-
Vial ϕ 22	270	-
Vial ϕ 16	560	-
Vial ϕ 12	990	-
Condenser Temperature	<50°C	
Freeze Drying Surface Area	0.092 m ²	-
Plate Load Capacity	1 L	-
Water Holding Capacity	6 Kg/24 h	
Vacuum	<10 Pa	
Overall Dimension	800x530x900 mm	-
Power	1300 W	-
Power Supply	220 V 50 HZ /110 V 60 Hz	
Flask	-	8
No of Sealed Valves	-	24 pieces for 24 ampoules

OPTIONAL ACCESSORIES

Accessory Code	Name	For Models
FX5001	Condenser Temperature: -80°C	All
FX5002	PLC controller	All
FX5008	Vacuum Pump	All
FX5003	100 ml Flask	ZF123, ZF124

Accessory Code	Name	For Models
FX5004	250 ml Flask	ZF123, ZF124
FX5005	500 ml Flask	ZF123, ZF124
FX5006	1000 ml Flask	ZF123, ZF124



ZF121



ZF123



ZF122



ZF124



ZF125

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