

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, Waste Products, 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.

FDR21 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	FDR21-4ST	FDR21-4MF	FDR21-4TP
Type	Standard	Manifold	Top Press
Plate Load Capacity	1.5 L		-
Tray Diameter	200 mm		
Condenser Temperature	<50°C		
Water Holding Capacity	4 Kg/24 h		
Freeze Drying Surface Area	0.12 m ²		-
Vacuum Degree	<10 Pa		
Vial φ 22	260		165
Vial φ 16	480		285
Vial φ 12	920		560
Interlayer Spacing	70 mm		
Overall Dimension (mm)	500x400x650 mm		-
Power	950 W		
Power Supply	220 V 50 HZ /110 V 60 Hz		
Flask	-	8	-
No of Sealed Valves	-	-	-

Model	FDR21-4TM	FDR21-6ST	FDR21-6MF
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Type	Top Press with Manifold	Standard	Manifold
Plate Load Capacity	1 L	2 L	
Tray Diameter	200 mm	240 mm	
Condenser Temperature	<50°C		
Water Holding Capacity	4 Kg/24 h	6 Kg/24 h	
Freeze Drying Surface Area	0.092 m ²		0.27 m ²
Vacuum Degree	<10 Pa		
Vial ϕ 22	165	360	
Vial ϕ 16	285	740	
Vial ϕ 12	560	1320	
Interlayer Spacing	70 mm		
Overall Dimension (mm)	500x400x650 mm	800x530x900 mm	
Power	950 W	1300 W	
Power Supply	220 V 50 HZ /110 V 60 Hz		
Flask	8	-	8
No of Sealed Valves	-	-	-

Model	FDR21-6TP	FDR21-6TM	FDR21-6TF
Type	Top Press	Top Press with Manifold	T-Manifold
Plate Load Capacity	-	1 L	
Tray Diameter	240 mm		-
Condenser Temperature	<50°C		
Water Holding Capacity	6 Kg/24 h		
Freeze Drying Surface Area	-	0.092 m ²	0.27 m ²
Vacuum Degree	<10 Pa		
Vial ϕ 22	270		-
Vial ϕ 16	560		-
Vial ϕ 12	990		-
Interlayer Spacing	70 mm		-
Overall Dimension (mm)	-	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	Description	Capacity	For Models
LS52829	Swing-out Rotor – Adapter	4xCorning T-75 cm ² Canted-Neck Cell Culture Flasks		FDR21-4ST, FDR21-4MF, FDR21-4TP, FDR21-4TM
LS52855	Swing-out Rotor – Adapter	20x50 ml		All
LS52868	Swing-out Rotor – Adapter	48x15 ml		All
LS52777	Swing-out Rotor – Adapter	Blood collection tube	96x2-7ml	FDR21-4MF, FDR21-4TM, FDR21-6MF, FDR21-6TM
LS52790	Swing-out Rotor – Adapter	Radio-immunity tube	148x5 ml	FDR21-4MF, FDR21-4TM, FDR21-6MF, FDR21-6TM

LS52803	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle		FDR21-4MF, FDR21-4TM, FDR21-6MF, FDR21-6TM
LS52816	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml	FDR21-4MF, FDR21-4TM, FDR21-6MF, FDR21-6TM
LS52842	Swing-out Rotor – Adapter	8xCorning T-25 cm ² Canted-Neck Cell Culture Flasks		FDR21-6ST, FDR21-6MF, FDR21-6TP, FDR21-6TM, FDR21-6TF



FDR21-4ST



FDR21-4MF



FDR21-4TP



FDR21-4TM



FDR21-6ST



FDR21-6MF



FDR21-6TP



FDR21-6TM



FDR21-6TF

FDR22-4TM T-MANIFOLD FREEZE DRYER

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Optional distribution defrosting function

Optional nitrogen inflating valve



SPECIFICATIONS

Model	FDR22-4TM
Type	T-Manifold
Plate Load Capacity	1 L
Condenser Temperature	<50°C
Water Holding Capacity	4 Kg/24 h
Freeze Drying Surface Area	0.092 m ²
Vacuum Degree	<10 Pa
No of Sealed Valves	24 pieces for 24 ampoules
Overall Dimension (mm)	500x400x650 mm
Power	950 W
Power Supply	220 V 50 HZ /110 V 60 Hz

OPTIONAL ACCESSORIES

Accessory Code	Name	Description
LS52829	Swing-out Rotor – Adapter	4xCorning T-75 cm ² Canted-Neck Cell Culture Flasks
LS52855	Swing-out Rotor – Adapter	20x50 ml
LS52868	Swing-out Rotor – Adapter	48x15 ml

Centrifugen

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