

# TOP PRESS WITH MANIFOLD FREEZE DRYER FDR21-4TM



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## FDR21-4TM

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, Top Press with Manifold Freeze Dryer.

## FDR21-4TM TOP PRESS WITH MANIFOLD 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	FDR21-4TM
Type	Top Press with Manifold
Plate Load Capacity	1 L
Tray Diameter	200 mm
Condenser Temperature	<50°C
Water Holding Capacity	4 Kg/24 h
Freeze Drying Surface Area	0.092 m <sup>2</sup>
Vacuum Degree	<10 Pa
Vial $\phi$ 22	165
Vial $\phi$ 16	285
Vial $\phi$ 12	560
Flask	8
Interlayer Spacing	70 mm
Overall Dimension (mm)	500x400x650 mm
Power	950 W
Power Supply	220 V 50 HZ /110 V 60 Hz

## OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Capacity
LS52777	Swing-out Rotor – Adapter	Blood collection tube	96x2-7ml
LS52790	Swing-out Rotor – Adapter	Radio-immunity tube	148x5 ml
LS52803	Swing-out Rotor – Adapter	4x250 ml Corning conical bottle or 4x200 ml Nunc™ bottle or 4x175 ml Nalgene™ conical bottle	
LS52816	Swing-out Rotor – Adapter	Falcon conical bottle	4x175/225 ml
LS52829	Swing-out Rotor – Adapter	4xCorning T-75 cm <sup>2</sup> Canted-Neck Cell Culture Flasks	
LS52855	Swing-out Rotor – Adapter	20x50 ml	
LS52868	Swing-out Rotor – Adapter	48x15 ml	

***Centrifugen***

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