

# TOP PRESS WITH MANIFOLD FREEZE DRYER FDR11-3TM



# TOP PRESS WITH MANIFOLD FREEZE DRYER

## FDR11-3TM

An ideal fit equipment for laboratory with a market proven design and the most advanced microprocessor control available on benchtop unit. It exceeds customer demand and is cost effective. It has Eco-friendly CFC free refrigeration system and provides higher performance.

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

Also known as Benchtop Freeze Dryer, Tabletop Lyophilizer, Laboratory Benchtop Freeze Dryer, Laboratory Tabletop Lyophilizer, Benchtop Lyophilizer, Laboratory Benchtop Lyophilizer, Top Press with Manifold Freeze Dryer.

## FDR11-3TM 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	FDR11-3TM
Type	Top Press with Manifold
Plate Load Capacity	1 L
Tray Diameter	200 mm
Condenser Temperature	<50°C
Water Holding Capacity	3 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)	500x400x370 mm
Power	850 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***

**Centrifugen**

82 Wendell Avenue, STE 100, Pittsfield, MA, 01201, USA  
Email: [info@centrifugen.com](mailto:info@centrifugen.com) | Website: [centrifugen.com](http://centrifugen.com)