

FREEZE DRYER



BENCH TOP SERIES

FLOOR TYPE SERIES

Benchtop Freeze Dryer LFD-BT-100 Series



Benchtop Freeze Dryer LFD-BT-100 Series from Labocon offers fast drying speeds, lowest temperature, easy maintenance, free operations and a wide range of chambers. Our product is environmental friendly, economical and efficient in use.

Features

- ◆ Features vacuum freeze drying technology.
- ◆ Drying curves are displayed on LCD screen.
- ◆ Low noise compressor with a long shelf life.
- ◆ Condenser, control panel, shelves and trays are made of stainless steel.
- ◆ Tray spacing can be customized.
- ◆ The drying chamber is equipped with organic glass for safety and visibility.
- ◆ Condenser features pre-freezing function.
- ◆ Eco-friendly CFC free refrigeration system.
- ◆ Features nitrogen valve and eutectic test device (optional).



Application



Benchtop Freeze Dryer LFD-BT-100 Series from Labocon is ideally used to freeze dry samples such as plant material, waste products, organic tissues, and polymers. This unit finds use in preservation of perishable material in their original state.

Specification

MODEL	LFD-BT-101	LFD-BT-102	LFD-BT-103	LFD-BT-104
Type	Standard	Top Press	Manifold	Manifold Top Press
Capacity	1.2 litres	1.2 litres	1.2 litres	1.2 litres
Condenser Temperature	-55°C (-80°C optional)			
Freeze Drying Surface Area	0.12 m ²	0.10 m ²	0.12 m ²	0.10 m ²
Pre-Freeze Shelf Dimension	Ø 200 mm	Ø 180 mm	Ø 200 mm	Ø 180 mm
No. of Shelves	4	4	4	4
Water Holding Capacity	3-4 kg / 24hr			
Vacuum Degree	< 10 Pa			
Pump Flow Rate	2 Litres / sec			
Bottle Ø 22	-	-	260	165
Bottle Ø 16	-	-	480	285
Bottle Ø 12	-	-	920	560
Overall Dimension	565x420x(360/430) mm			
Weight	75 kg	80 kg	75 kg	80 kg
Power	970 W			
Power Supply	110-220V, 50/60Hz			
Catalog No.	9424144247	9424145247	9424146427	9424147247

Specification of LFD-BT-105

MODEL	LFT-BT-105
Type	T-type
Condenser Temperature	-55°C (-80°C optional)
Water Holding Capacity	3 kg/24 hr
Vacuum Degree	< 10 Pa
Pump flow Rate	2 Litres/sec
No. of Sealed Valves	24 pieces for 24 ampoules
Overall Dimension	565x420x(360+340) mm
Weight	70 kg
Power	970 W
Power Supply	110-220V, 50/60Hz
Catalog No.	9424148427



Floor Type Freeze Dryer LFD-FT Series

Labocon offers Floor Type Standing Freeze Dryer LFD-FT Series that maximizes plant reliability and ease of use, reduces energy consumption, optimizes space requirements and minimizes maintenance requirements. The unit is a compact console with casters that make it easy to move.

Features

- ◆ Features vacuum freeze drying technology.
- ◆ Drying curves are displayed on LCD screen.
- ◆ Low noise compressor with long shelf life and high efficiency.
- ◆ Drying chamber is equipped with organic glass for safety and visibility.
- ◆ Condenser, operation panel, shelves and trays are made of stainless steel.
- ◆ Condenser has pre-freezing function.
- ◆ CFC free environment friendly refrigeration.
- ◆ Features nitrogen valve and eutectic test device (optional).
- ◆ Powerful compressor with faster refrigeration functions in LFD-FT-200 Series.

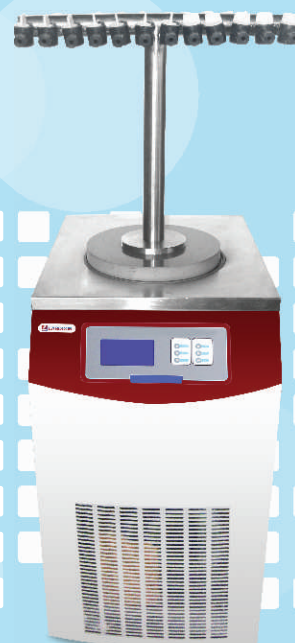
Application

Floor Type Standing Freeze Dryer LFD-FT Series from Labocon is ideally used to freeze dry samples such as plant material, waste products, organic tissues, and polymers. This unit finds use in preservation of perishable material in their original state.



Specification of LFD-FT-100 Series

MODEL	LFD-FT-101	LFD-FT-102	LFD-FT-103	LFD-FT-104
Type	Standard	Top Press	Manifold	Manifold Top Press
Capacity	1.2 litres	1.2 litres	1.2 litres	1.2 litres
Condenser Temperature	-55°C (-80°C optional)			
Freeze Drying Surface Area	0.12 m ²	0.10 m ²	0.12 m ²	0.10 m ²
Pre-Freeze Shelf Dimension	Ø 200 mm	Ø 180 mm	Ø 200 mm	Ø 180 mm
No. of Shelves	4	4	4	4
Water Holding Capacity	3-4 kg / 24hr			
Vacuum Degree	< 10 Pa			
Pump Flow Rate	2 Litres / sec			
Bottle Ø 22	-	-	260	165
Bottle Ø 16	-	-	480	285
Bottle Ø 12	-	-	920	560
Overall Dimension	560x460x(710/430) mm			
Power	1070 W			
Power Supply	220V, 50Hz			
Catalog No.	9424149427	9424150427	9424151427	9424152427



Specification of LFD-FT-200 series

MODEL	LFD-FT-201	LFD-FT-202	LFD-FT-203	LFD-FT-204
Type	Standard	Top Press	Manifold	Manifold Top Press
Capacity	1.8 to 2.7 litres	0.9 litres	1.8 to 2.7 litres	0.9 litres
Condenser Temperature	-55°C (-80 optional)			
Freeze Drying Surface Area	0.18 to 0.27 m ²	0.09 m ²	0.18 to 0.27 m ²	0.09 m ²
Pre-Freeze Shelf Dimension	Ø 240 mm	Ø 200 mm	Ø 240 mm	Ø 200 mm
No. of Shelves	4	3	4	3
Water Holding Capacity	6 kg / 24hr			
Vacuum Degree	< 10 Pa			
Pump Flow Rate	4 Litres / sec			
Bottle Ø 22	-	-	360	270
Bottle Ø 16	-	-	740	555
Bottle Ø 12	-	-	1320	999
Weight	120 kg	125 kg	120 kg	125 kg
Overall Dimension	635x540x(970/430) mm			
Power	1400 W			
Power Supply	220V, 50Hz			
Catalog No.	9424154427	9424155427	9424156427	9424157427

Specification of LFD-FT-105 and 205

MODEL	LFD-FT-105	LFD-FT-205
Type	T-type	T-type
Condenser Temperature	-55°C (-80°C optional)	-55°C (-80 optional)
Water Holding Capacity	3 kg/24 hr	6 kg/24 hr
Vacuum Degree	< 10 Pa	< 10 Pa
No. of Sealed Valves	24 pieces for 24 ampoules	24 pieces for 24 ampoules
Overall Dimension	560x460x(710+430) mm	635x540x(970+430) mm
Weight	62 kg	105 kg
Power	750 W	1400 W
Power Supply	220V, 50Hz	220V, 50Hz
Catalog No.	9424153427	9424158427