



BENCH TOP FREEZE DRYER

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Simple and economical means of freeze drying for stabilization of living material and preservation of fragile substances. Equipped with vacuum freeze drying technology and customizable tray spacing, this is the right product for your small scale freeze drying requirements.

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.

100 FREEZE DRYER



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

SPECIFICATIONS

Model	BFBT-101-A	BFBT-101-B	BFBT-102-A	BFBT-102-B
Type	Standard		Top Press	
Capacity	1.2 L			
Condenser Temperature	< -50°C	-80°C	< -50°C	-80°C
Water Holding Capacity	3-4 /24h			
Freeze Drying Surface Area	0.12 m ²		0.08 m ²	
Pre Freeze Shelf Dimension	φ 200 mm		φ 180 mm	
Vacuum Degree	< 10 Pa			
Pump Flow Rate	2 L/sec		3 L/sec	
Overall Dimension (mm)	565x420x(360+430)	830 x680x(400+430)	565x420x(360+430)	831 x680x(400+430)
Shelves	4			
Weight	100 kg		105 kg	
Power	970 W	970	970 W	970
Power Supply	110-220V, 50/60Hz			
Vial φ 22	-	-	-	-
Vial φ 16	-	-	-	-
Vial φ 12	-	-	-	-
No of Sealed Valves	-	-	-	-

Model	BFBT-103-A	BFBT-103-B	BFBT-104-A	BFBT-104-B
Type	Manifold		Manifold Top Press	
Capacity	1.2 L			
Condenser Temperature	< -50°C	-80°C	< -50°C	-80°C

Water Holding Capacity	3-4 /24h			
Freeze Drying Surface Area	0.12 m ²		0.08 m ²	
Pre Freeze Shelf Dimension	φ 200 mm		φ 180 mm	
Vacuum Degree	< 10 Pa			
Pump Flow Rate	2 L/sec		3 L/sec	
Overall Dimension (mm)	565x420x(360+430)	831 x680x(400+430)	565x420x(360+430)	831 x680x(400+430)
Shelves	4			
Weight	105 kg			
Power	970 W	970	970 W	970
Power Supply	110-220V, 50/60Hz			
Vial φ 22	260		165	
Vial φ 16	480		285	
Vial φ 12	920		560	
No of Sealed Valves	-	-	-	-

Model	BFBT-105-A	BFBT-105-B
Type	T-type	
Capacity	-	-
Condenser Temperature	< -50°C	-80°C
Water Holding Capacity	3-4 /24h	
Freeze Drying Surface Area	-	-
Pre Freeze Shelf Dimension	-	-
Vacuum Degree	< 10 Pa	
Pump Flow Rate	2 L/sec	
Overall Dimension (mm)	565x420x(360+340)	831 x680x(400+430)
Shelves	-	-
Weight	95 kg	
Power	971 W	971
Power Supply	110-220V, 50/60Hz	
Vial φ 22	-	-
Vial φ 16	-	-
Vial φ 12	-	-
No of Sealed Valves	24 pieces for 24 ampoules	

ACCESSORIES

Accessory Code	Name	Description	Trays	For Models
1900606012	Trays	Trays : dia. 180mm/ dia.200mm	Diameter 180mm/200mm	BFBT-103-A, BFBT-103-B
1900610006	Clamp			BFBT-103-A, BFBT-103-B
1900610007	Vacuum pump			BFBT-103-A, BFBT-103-B
1900610008	Acrylic drum			BFBT-103-A, BFBT-103-B
1900610009	Drying shelf			BFBT-103-A, BFBT-103-B
1900610010	Pre-freezing shelf			BFBT-103-A, BFBT-103-B
1900610011	Sealing ring			BFBT-103-A, BFBT-103-B
1900610012	Flask (wide-neck flask) - 1200ml			BFBT-103-A, BFBT-103-B
1900610013	Flask (wide-neck flask) - 600ml			BFBT-103-A, BFBT-103-B

1900610014	Flask (round bottom flask) - 1000ml			BFBT-103-A, BFBT-103-B
1900610015	Flask (round bottom flask) - 500ml			BFBT-103-A, BFBT-103-B
1900610016	Flask (round bottom flask) - 250ml			BFBT-103-A, BFBT-103-B
1900610017	Flask (round bottom flask) - 100ml			BFBT-103-A, BFBT-103-B

OPTIONAL ACCESSORIES

Accessory Code	Name	Description	Trays	Temperature	For Models
1900606006	Nitrogen inflation valve				All
1900606007	Exhaust filter/ Oil mist filter for pump				All
1900606008	Air inlet filter for pump				All
1900606009	Anti oil return valve for pump				All
1900606010	Electricity heating defrosting				All
1900606011	Electric heating shelf				All
1900606012	Trays	Trays : dia. 180mm/ dia.200mm	Diameter 180mm/200mm		BFBT-101-A, BFBT-101-B, BFBT-102-A, BFBT-102-B, BFBT-104-A, BFBT-104-B, BFBT-105-A, BFBT-105-B
1900606013	RS232 and software	Check and keep freeze drying data on computer; control freeze dryer through PC			All
1900606014	-80°C Condenser	Minimum condenser temperature as -80°C		Min. condenser temperature as -80°C	All



BFBT-101-A



BFBT-101-B



BFBT-102-A



BFBT-102-B



BFBT-103-A



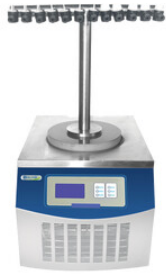
BFBT-103-B



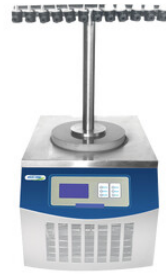
BFBT-104-A



BFBT-104-B



BFBT-105-A



BFBT-105-B



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