

Laboratory Freeze Dryer

The FD Series is a laboratory freeze-dryer specially developed for basic research in biotechnology and scientific institutes.

Model FD-5003-BT

General features

- Bench mounted table-top unit: It houses the refrigeration system and the vacuum pump.
- Constructed in a steel stove enamelled cabinet with front door for maintenance purposes
- Air cooled refrigeration system : Hermetically sealed.
- Ozone friendly refrigerant.
- A top transparent acrylic lid provides viewing of the ice forming process
- PLC controlled system: a digital touch screen gives direct read-out of current condenser and vacuum temperatures during the various stages of the cycle.



Specifications

Model FD-5003-BT

Condenser Temperature	- 40°C
Condenser Capacity in 24 Hours	3 L
Overall Condenser Capacity	9.5 L
Condenser Type	Internal Coil (316 Stainless Steel)
System Refrigerant	CFC-Free
Defrost Method	Manual
Controller (Automation)	PLC Base LCD 4.3 inches
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485 (Option)
Outer Dimensions: W x D x H*	400 x 620 x 380mm
Weight	50 kg
Standard Voltages	220V/50hz

Accessories

Description

Chamber Dryer

Chamber 250 mm Ø, with 3 trays
(for vials, serum bottles and raw material)

Vacuum Pump

Rottary Oil Vacuum Pump

Stoppering Chamber (Option)

Glass cylindrical chamber with 3 non
thermostated shelves and manual vial closing
device. Includes 3 trays
(for vials and serum)



Vacuum Pump



Chamber Dryer