

Laboratory Freeze Dryers

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

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 screen gives direct read-out of current condenser and vacuum temperatures during the various stages of the cycle.

Model FD-8524



Specifications

Model FD-8524

Condenser Temperature	- 85°C
Condenser Capacity in 24 Hours	24 L
Overall Condenser Capacity	46 L
Condenser Type	Internal Coil (316 Stainless Steel)
System Refrigerant	CFC-Free
Defrost Method	water
Controller (Automation)	PLC Base LCD 7 inch
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485(Optional)
Outer Dimensions: W x D x H*	850 x 650 x 2300mm
Weight	380 kg
Standard Voltages	380V3phases

ACCESSORIES

DESCRIPTION

Chamber Dryer	Chamber 200 mm Ø, with 4 trays (for vials, serum bottles and raw material)
20 Port Manifold Ampoule connector	Silicon tube manifold 20
8 Port Manifold	Including 8 rubber three way valves for flasks
Vacuum Pump	Rotary Oil Vacuum Pump
Stoppering Chamber	Glass cylindrical chamber with 3 non thermostated shelves and manual vial closing device. Includes 3 trays (for vials and serum)
Vacuum Valve	Rubber three way valves for flasks



Chamber Dryer



20 Port Manifold

Ampoule connector



Vacuum Pump



Stoppering Chamber



Vacuum Valve

LABORATORY AND INDUSTRIAL FREEZE DRYER COMPANY

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