

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 refrigerationsystem: Hermetically sealed. Ozonefriendly refrigerant.
- A top transparent acrylic lid provides viewing of the ice formingprocess
- PLC controlled system: a digital screen gives directread-out of current condenser and vacuum temperatures during the various stages of the cycle.

Model FD-5006-URT



Specifications	Model FD-5006-URT
Condenser Temperature	- 40°C
Condenser Capacity in 24 Hours	6 L
Overall Condenser Capacity	20 L
Condenser Type	Internal Coil (316 Stainless Steel)
System Refrigerant	CFC-Free
Defrost Method	Manual
Controller (Automation)	PLC Base LCD 3.7 inches
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485(Optional)
Outer Dimensions: W x D x H*	400 x 650 x 900mm
Weight	65 kg
Standard Voltages	220V/50

ACCESSORIES	DESCRIPTION
Chamber Dryer	Chamber 250 mm Ø, with 4 trays (for vials, serum bottles and raw material)
20 Port Manifold Ampoule connector (option)	tube manifold Silicon
8 Port Manifold	Including 8 rubber three way valves for flasks
Vacuum Pump	Rottary Oil Vacuum Pump
Stoppering Chamber (option)	Glass cylindrical chamber with 3 non thermostatedshelves 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
(option)**



8 Port Manifold



Vacuum Pump



**Stoppering Chamber
(option)**



Vacuum Valve

LABORATORY AND INDUSTRIAL FREEZE DRAYER COMPANY

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