

Dena Pardaz Industry Co. LTD

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 systemand 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.

Heated shelves whit PID controller





Specifications	Model FD-5005-BT
Condenser Temperature	- 40℃
Condenser Capacity in 24 Hours	5 L
Overall Condenser Capacity	14 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(Option)
Outer Dimensions: W x D x H*	800 x 650 x 380mm
Weight	50 kg
Standard Voltages	220V/50

ACCESSORIES	DESCRIPTION
Chamber Dryer	Chamber 200 mm Ø, with 4 trays
	(for vials, serum bottles and raw material)
Y · Port Manifold (Option)	tube manifoldSilicon 🔨
Ampoule cannector	
^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
	thermostatized shelves and manual vial closing
	device. Includes 3 trays
	· · · · · · · · · · · · · · · · · · ·
	(for vials and serum)



Chamber Dryer



20 Port Manifold



Ampoule cannector

(Option)



8 Port Manifold



Vacuum Pump



Stoppering Chamber (Option)



Vacuum Valve

LABORATORY AND INDUSTRIAL FREEZE DRAYER COMPANY

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