

Sanat Pardaz Dena Co.LTD

Laboratory Freeze Dryer

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

General features

Model FD-5003-BT

- 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.



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 3.7 inches
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485(Optional)
Outer Dimensions: W x D x H*	400 x 620 x 450mm
Weight	40 kg
Standard Voltages	220V/50

DDRESS: No 13,16/5 honar Alley,17 (Kaveh Bolvar) Street,Chahardange Industrial Area,Saeedy High Way ,Tehran,Iran

Tel: (+98) 21 55 44 85 18 Telelfax : (+98) 21 55 44 84 30 Denavacuum@gmail.com

ACCESSORIES

DESCRIPTION

Chamber Dryer	Chamber 200 mm Ø, with 3 trays (for vials, serum bottles and raw material)
Vacuum Valve	Rubber three way valves for flasks
Vacuum Pump	Rottary Oil Vacuum Pump

Option

8 Port Manifold	Including 8 rubber three way valves for flasks
Stoppering Chamber	Glass cylindrical chamber with 3 non thermostated shelves and manual vial closing device. Includes 3 trays)for vials and serum(

10 Port Manifold
Ampoule connecto

10 tube manifold Silicon



Vacuum Pump



Chamber Dryer



**8 Port Manifold
(Option)**



**8 Vacuum Valve
(Option)**



**Stoppering Chamber
(OPTION)**



**20 Port Manifold
Ampoule connector
(OPTION)**

www.denavacuum.ir

www.freezedryer.ir

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