

# 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

- 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-5005-BT



### Specifications

### Model FD-5005-BT

Condenser Temperature	- 40°C
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(Optional)
Outer Dimensions: W x D x H*	800 x 650 x 380mm
Weight	50 kg
Standard Voltages	220V/50

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## ACCESSORIES

## DESCRIPTION

Chamber Dryer

Chamber 300 mm Ø, with 3 trays  
(for vials and raw material)

8 Port Manifold

Including 8 rubber three way valves for flasks

Vacuum Valve

Rubber three way valves for flasks

Vacuum Pump

Rottary Oil Vacuum Pump

## OPTION

Stoppering Chamber

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

10 Or 20 Port Manifold  
Ampoule connecto

20 tube manifold Silicon



**Vacuum Pump**



**Chamber Dryer**



**8 Port Manifold**



**8 Vacuum Valve**



**Stoppering Chamber  
(OPTION)**



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

[www.denavacuum.ir](http://www.denavacuum.ir)

[www.freezedryer.ir](http://www.freezedryer.ir)

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