

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.

Model FD-5005-HS-BT (Heated Shelves With PID Controller)

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.



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

10 or 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

www.freezedryer.ir

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