



SANAT PARDAZ DENA.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

- Standing pilot 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-8524



HMI

The device control database is designed and written in PLC and HMI.

supports parameters such as start and end time, vacuum value and temperature.

Specifications

Model FD-8524

Condenser Temperature	- 85°C
Condenser Capacity in 24 Hours	24 L
Overall Condenser Capacity	46 L
Condenser Type	Internal Coil (316 Stainless Steel)
System Refrigerant	CFC-Free
Defrost Method	water
Controller (Automation)	PLC Base LCD 7 inch
Vacuum Indication	Atmosphere to 0.001 Millibar
PC Interface	RS485(Optional)
Outer Dimensions: W x D x H*	850 x 650 x 2300mm
Weight	380 kg
Standard Voltages	380V3phases

ACCESSORIES

DESCRIPTION

21Port Manifold Ampoule connector	Silicon tube manifold 21
Vacuum Pump	Rottary Oil Vacuum Pump
Vacuum Valve	Rubber three way valves for flasks



Vacuum Pump



Vacuum Valve



**21 Port Manifold
Ampoule connector**

LABORATORY AND INDUSTRIAL FREEZE DRAYER COMPANY

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