



DG-65Z04-10AR



The Refrigeration Efficiency
is Greatly Improved



Automatic Parameter
Storage



Multiple Alarm
Functions

Freeze Dryer

Scope of Application

Applicable to biological research, medical laboratories for drying of biotechnological and pharmaceutical products, e.g. tissues and tissue extracts, bacteria, vaccines, and sera. The product is also suitable to food research, chemical industry and other related scenarios for efficient lyophilization of samples.

Innovative Design

- IoT Real-time Management
- Real Time Monitoring of Freeze-drying Status

Product Advantages



Automatic Parameter Storage

Intelligent storage of the freeze-drying parameters, without setting them separately each time



IoT Real-time Management

Separate account, authority management, configuration record function, data traceability, real-time monitoring of equipment status



Real Time Monitoring of Freeze-drying Status

Check the sample freeze-drying curve at any time, and it can be adjusted immediately and in time if there are any risks



The Refrigeration Efficiency is Greatly Improved

The evaporator is located in the freezing chamber, which directly cools the sample and improves the refrigeration efficiency, it can reach -60°C within 25 minutes



Multiple Alarm Functions

Multiple alarms, including cold trap cooling overtime, vacuum pump oil replacement reminder, temperature sensor fault/cold trap temperature sensor fault, vacuum sensor fault, condenser sensor fault, ambient temperature sensor fault, abnormal refrigeration, motor overcurrent, condenser dirty blockage, vacuum alarm, heating lamp life less than 10% alarm

Multiple Configurations



Standard

Able to pre-freeze, suitable for both plate and bottle samples



Multi Manifold

Able to pre-freeze, suitable for both plate and bottle samples, it's convenient for adding or taking samples during the freeze-drying process



Pressure Plug

Able to pre-freeze, suitable for bottled samples. After freeze-drying, it can be vacuum plugged manually



Gland Multi Manifold

Able to pre-freeze and vacuum plug, it's convenient for adding or taking samples during the freeze-drying process

Friendly Design

The glass design cover ensures the working situation in the drying chamber is visible at a glance

10-inch touch screen, users can view operating status, and historical temperature data and alarm events

Large caliber cold trap to meet a variety of sample pre-freezing requirements

The filter can be easily replaced

Vacuum pump port, convenient for oil change



Rotary Vane Vacuum Pump DRV10

Oil Filter

Specifications

Model		DRV10
Power Supply (V/Hz)		220/50
Pumping Speed (m ³ /h)		9.9
Ultimate Pressure	Gas Ballast Off (Pa)	5*10 ⁻¹
	Gas Ballast On (Pa)	5
Motor Power (kw)		0.4
Required Oil (L)		1.1
Air Inlet		KF25
Air Outlet		KF25
Sound Level (db)		65
Weight (kg)		25

Specifications



Model	DG-65Z04-10AR
Ice Condenser Temperature (°C)	-65°C/-85°C (optional)
Condensation Efficiency	4kg/24h
Sound Level (dB(A))	≤60
Weight (kg)	65 (equipment)+25 (pump)
Ultimate vacuum (Pa/mbar)	5/5×10 ⁻²
Maximum Condensation (kg)	4
Power (w)	1000
Power Supply (V/Hz)	220/50
Freeze Cabinet Capacity (L)	13
Area (m ²)	0.1
Shelves	3 layers (extensive)
Material Tray Diameter (mm)	Φ200
Maximum Spacing Between Material Trays (mm)	70
Exterior Dimension (W*D*H)(mm)	480*793*730 (without pump)
Packing Dimension (W*D*H)(mm)	665*900*920 (include pump)
Temperature Curve Display	Yes
Vacuum Pump Maintenance Reminder	Yes
Screen	10.1 inch touch screen
Notepad	Yes
Account Management	Yes
USB	Yes
IoT	Yes
Penicillin Bottle	Optional
Certification	CE

*Haier Biomedical reserves the right to change products and specifications without prior notice.



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The specifications listed in this brochure are subject to change by the manufacturer and therefore cannot be guaranteed to be correct. If there are aspects of the specification that must be guaranteed, please provide these to our sales team so that details can be confirmed.

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