

FlexiFreeze Pro 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



The Refrigeration Efficiency is Greatly Improved



Automatic Parameter Storage



Multiple Alarm Functions



DG-65Z04-10AR

Qingdao Haier Biomedical Co., Ltd.

No.280 Feng Yuan Road, High-tech Zone,
Qingdao, 266111, P.R. China
E-mail: inquiry@haierbiomedical.com
Website: www.haierbiomedical.com



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Product Advantages



Automatic Parameter Storage

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



Account 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, vacuum sensor fault, vacuum alarm

Freeze-Drying Chamber Options



Model	HDG-Standard-A12	HDG-Stoppering-B	HDG-Manifolds-C12	HDG-Stoppering with Manifolds-D	HDG-T-Type-E
BE No.	BE1KY3D00	BE1KX5Z00	BE1KY4D00*	BE1KX3Z00*	BE1KX2Z00*
Type	Standard	Stoppering	Manifolds	Stoppering with Manifolds	T-Type
Area (m ²)	0.12	0.09	0.12	0.09	/
Shelf Diameter (mm)	φ 200	φ 200	φ 200	φ 200	/
Number of Shelves	4	3	4	3	/
Distance Between Shelves (mm)	70	70	70	70	/

* Please note that flasks are not included in the BE No. and must be ordered separately.

Ergonomic Design

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

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

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

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
Condensation Efficiency (kg/h)	4/24
Sound Level (dB(A))	≤60
Weight (kg)	80 (equipment) + 25 (pump)
Ultimate vacuum (Pa/mbar)	$5/5 \times 10^{-2}$
Maximum Condensation (kg)	4
Power (w)	950
Power Supply (V/Hz)	220~240/50
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*760 (without pump)
Packing Dimension (W*D*H)(mm)	685*920*1250 (include pump)
Temperature Curve Display	Yes
Vacuum Pump Maintenance Reminder	Yes
Screen	10.1 inch touch screen
Notepad	Yes
Account Management	Yes
USB	Yes
Flask	Optional
Certification	CE

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