

FlexiFreeze Freeze Dryer

Scope of Application:

The laboratory freeze-dryer is designed for laboratory research and sample preparation, and there are five types of design that can meet different needs.



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.haiermedical.com

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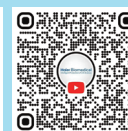
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Freeze Dryers

Bench-Top

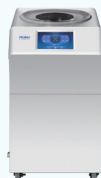
3kg



HDG-86Z03-12T

Floor-Standing

4kg



HDG-86Z04-12

6kg



HDG-86Z06-18

Product Features



Offering different choices of ice condenser capacity: 3, 4, 6 kg per 24 hours



Optimal process control for quick and reliable freeze-drying



Rapid cooling to temperatures as low as -86°C



Real time display of sample temperature, vacuum curve, and cold trap temperature curve

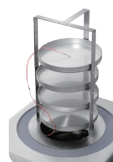


Environmentally-friendly HC refrigeration system

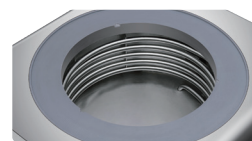
Ergonomic Design



7" touchscreen display for intuitive operation



Clear acrylic chamber for easy viewing



Easy to clean anti-corrosion cold trap and shelves



Vacuum relief valve/Drain valve



USB port to download operational data

Freeze-Drying Chamber Selection Guide



Standard

Suitable for freeze-drying bulk samples

Suitable for freeze-drying and stoppering samples in vials

Stoppering



Manifolds

Suitable for freeze-drying samples in externally-attached flasks

Suitable for freeze-drying and stoppering samples in vials and externally-attached flasks

Stoppering with Manifolds



T-Type

Suitable for freeze-drying samples in ampoule bottle and externally-attached flasks

Specifications



Model	HDG-86Z03-12T
BE No.	BE1KX0000
Type	Bench-Top
Ice Condenser Temperature (°C)	-86
Ice Condenser Capacity (kg)	3
Condensation Efficiency (kg/24h)	3
Maximum Vacuum (Pa)	≤5
Freeze Chamber Dimension (mm)	φ300*150
Power Supply (V/Hz)	220~240/50
Power (W)	890
Exterior Dimension (W*D*H) (mm)	406*550*430
Weight (kg)	40
Certification	CE

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 (m²)	0.12	0.09	0.12	0.09	/
Shelf Diameter (mm)	φ200	φ200	φ200	φ200	/
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.

Specifications



Model	HDG-86Z04-12
BE No.	BE1KY1000
Type	Floor-Standing
Ice Condenser Temperature (°C)	-86
Ice Condenser Capacity (kg)	4
Condensation Efficiency (kg/24h)	4
Maximum Vacuum (Pa)	≤5
Freeze Chamber Dimension (mm)	φ300*210
Power Supply (V/Hz)	220~240/50
Power (W)	1050
Exterior Dimension (W*D*H) (mm)	406*550*720
Weight (kg)	50
Automatic Defrost Function	Optional
Certification	CE

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 (m²)	0.12	0.09	0.12	0.09	/
Shelf Diameter (mm)	φ200	φ200	φ200	φ200	/
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.

Specifications



Model	HDG-86Z06-18
BE No.	BE1KZ0000
Type	Floor-Standing
Ice Condenser Temperature (°C)	-86
Ice Condenser Capacity (kg)	6
Condensation Efficiency (kg/24h)	6
Maximum Vacuum (Pa)	≤5
Freeze Chamber Dimension (mm)	φ340*250
Power Supply (V/Hz)	220~240/50
Power (W)	980
Exterior Dimension (W*D*H) (mm)	645*600*720
Weight (kg)	65
Automatic Defrost Function	Optional
Certification	CE

Freeze-Drying Chamber Options



Model	HDG-Standard-A	HDG-Stoppering-B	HDG-Manifolds-C	HDG-Stoppering with Manifolds-D	HDG-T-Type-E
BE No.	BE1KX6Z00	BE1KX5Z00	BE1KX4Z00*	BE1KX3Z00*	BE1KX2Z00*
Type	Standard	Stoppering	Manifolds	Stoppering with Manifolds	T-Type
Area (m²)	0.18	0.09	0.18	0.09	/
Shelf Diameter (mm)	φ240	φ200	φ240	φ200	/
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.



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Pricing on any accessories shown can be found by keying the part number into the search box on our website.

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.

www.wolflabs.co.uk

Tel : 01759 301142

Fax : 01759 301143

sales@wolflabs.co.uk

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