

## Professional Laboratory Freeze-dryer

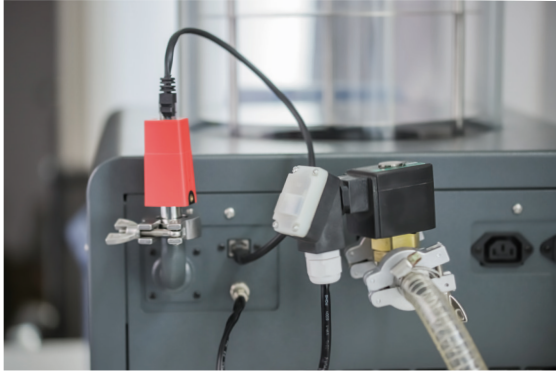
Intelligent control, efficient lyophilization

Large color touch screen, using the new lyo S control system, easy to operate, real-time mastery of the process. Manual lyophilization and automatic program freeze-drying can be selected to meet different use needs. Standard imported vacuum pump, vacuum gauge, solenoid valve, to achieve vacuum control, freeze-drying cycle shortened by 40%.



## Design features

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### ● Sample temperature simulation, intelligent recommendation of the best lyophilization conditions

The software fits the ice water saturated vapor pressure curve, the equipment simulates the interface sublimation temperature of the sample in the lyophilization process, compared with the traditional laboratory temperature probe can not insert the invalid design of the frozen solid sample, the software more intuitively simulates the temperature parameters of the sample during sublimation, and realizes the control and adjustment of the sample temperature, which is more practical and convenient.

### ● It is more secure and safer to use

Flange face seal, flat plus L-ring design, no need for manual pressing sealing; Excellent sealing performance, long-term use of sealing effect almost no attenuation; Equipped with automatic pressure relief, one-key defrost, pressure protection device, operator authority and other functions, so that you freeze-drying is more assured and safer.

### ● Advanced system design, vacuum control is more accurate

Advanced refrigeration system for extremely fast cooling and drastic reduction of sample preparation time. Using the original imported solenoid valve, 0.001-1000mbar high-precision Pirani sensor, the full-scale vacuum degree is adjustable and controllable, avoiding the problems of special substances such as foaming, blowing and ice core caused by uncontrollable vacuum, and can speed up the lyophilization speed through reasonable vacuum control.

### ● The freeze-drying protocol can be set up at will

Can manually control lyophilization, can also automatically program lyophilization, set lyophilization program, set system preheating, primary drying and secondary drying step by step, independently set the vacuum degree and corresponding duration of each step to ensure the freeze-drying efficiency and effect of the sample, can also start the program with one button, convenient and fast.





# GS055FD

Free lyophilized Option at will

## Design features

Professional Laboratory Freeze-dryer, Discover the new pinnacle of professional laboratory freeze dryers! The overall manufacturing process has reached the world-class level which can be used in a wide range of large, medium and small laboratories.



Coil condenser



One-key defrosting



vacuum control



Compact design

## Technical Specifications

MODEL	GS055FD
LYO S Control System	•
Vacuum Control	•
Hot-Gas Defrost	•
Flange Face Seal	•
External Coil Condenser	•
Anti-Frost Insulation	•
Sample Temperature Simulation	•
Corrosion-Resistant Pumps	•
USB Interface	•
Ice Condenser Temperature	-55°C
Shelf area	0.16 m <sup>2</sup> -0.32 m <sup>2</sup>
Shelf size	Φ260mm
Ice Condenser Max. Performance	4Kg/24h
Ice Condenser Max. Capacity	4Kg
Ultimate vacuum	0.01mbar/1pa
Vacuum Control Range	0.001-1000mbar
Mainframe Size	W455*D550*H430 mm
Weight	55kg
Power	0.8KW
Power requirements	10A, 220V