SONG YUAN FREEZE DRYER
FREEZE DRYING EQUIPMENT OVERALL PROGRAM SUPPLIER

LGJ-10 Standard Type Experimental Vacuum Freeze Dryer

LGJ-10 standard experimental vacuum freeze dryer is widely used in medicine, pharmaceutical, biological research, chemical and food. The lyophilized materials are easy to store for a long time, and can be restored to the state before lyophilization and maintain the original biochemical characteristics after adding water. The LGJ-10 freeze dryer is suitable for laboratory use and meets the requirements of routine lyophilization in most laboratories.

Main Features:

. All-in-one structure , small size, no external flange, easy to use, no leakage.
. All materials in contact with the product use inert materials to meet the requirements of the GLP.
. The cold trap and console are made of stainless steel, which is anti-corrosion and easy to clean.
. All stainless steel inflated /water release valves designed and produced by our company, which is safety, anti-corrosion, no leakage.
. With sample pre-frozen function, large cold trap opening, no inner coil, and low temperature refrigerator is needless.
. Patented gas diversion technology, and strong ice holding ability.
. World- knownbrand compressors, high efficiency, long life, low noise.
. Well-known brand vacuum pump with a high pumping speed to achieve a higher ultimate vacuum.
. Vacuum pump protection function can set the cold trap temperature to protect the vacuum pump life.
. Professionally designed FD-LAB freeze-drying machine control system + SH-HPSC-I modular controller with high reliability and stability.
. Intelligent data recording system can real-time record and display the cold trap temperature curve, sample temperature curve, vacuum curve.

Technical Parameters:

freeze drying area	0.12㎡
material tray dia.	Φ240mm
No. of tray	4pcs
tray spacing	70mm
cold trap temperature	≤-56C，optional≤-80℃
cold trap dept	140mm
cold trap dia.	Φ215mm
ice collecting capacity	3-4kg/24h
pumping speed	2L/S
ultimate vacuum	≤5pa
power	970w
weight	41kg
overall dimensions	615×450×370mm
-80℃ overall dimensions	850×680×405mm
drying chamber size	Φ260×430mm
cooling mode	wind cooled
defrosting mode	air cooled
material capacity	1.2L（thickness 10mm）