SONG YUAN FREEZE DRYER
FREEZE DRYING EQUIPMENT OVERALL PROGRAM SUPPLIER

LGJ-12 Standard Type Experimental Freeze Dryer

Dryer widely used in medicine, pharmacy, biology research, chemical industry and food production, etc. After the freeze drying process, a long term preservation is much easier. They can be restored to the original state and maintain their chemical and biological characteristics after being watered.LGJ-12 is suitable for experiment in laboratory or small quantity of production. It can meet the regular freeze drying requirements of the most laboratory

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 valve is 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- known brand 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:

- tray area：0.12㎡
- tray dia.：Φ200mm
- tray numbers：4pcs
- tray spacing：70mm
- cold trap temp.：≤-56℃，optional≤-80℃
- cold trap dept：140mm
- cold trap dia.：Φ215mm
- ice collecting capacity：3-4kg/24h
- pump speed：2L/S
- ultimate vacuum≤5pa
- power：970w
- main unit weight：41kg
- main unit dimensions：580×500×720mm
- -80℃ main unit dimensions：850×680×405mm
- drying chamber dimensions：Φ260×465mm
- cooling mode: wind cooled
- defrosting mode：air cooled
- tray capacity：1.2L（thickness 10mm）