SONG YUAN FREEZE DRYER
FREEZE DRYING EQUIPMENT OVERALL PROGRAM SUPPLIER

LGJ-12 Top-Press Type Experimental Freeze Dryer

This LGJ-12 Experimental Freeze Dryer is widely used in medicine, pharmacy, biology research, chemical industry and food production, etc. After the freeze drying process, along term preservation is much easier. They can be restored to the original state and maintain their chemical and biological characteristics after being watered. This model is suitable for experiment in laboratory and small amount production, and it can meet the regular freeze dying requirements of the most laboratories.

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：

- freeze drying area：0.08㎡
- tray dia.：Φ180mm
- tray numbers：3pcs
- tray spacing：70mm
- cold trap temperature：≤-56℃, 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
- main unit weight：62kg
- main unit dimensions：580×500×720mm
- -80℃ main unit dimensions：770×550×720mm
- drying chamber size：Φ260×490mm
- cooling mode：wind cooled
- defrosting mode：air cooled
- material capacity：0.8L（thickness 10mm）
- loaded vials：

  Φ12mm：492pcs

  Φ16mm：279pcs

  Φ22mm：147pcs