

## *LGJ-12 Multi Manifold Standard Type Experimental Freeze Dryer*



Dryer is 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. This model is suitable for experiment in laboratory and small amount production, and it can meet the regular freeze drying 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 parameter:

- freeze drying area : 0.12m<sup>2</sup>
- tray dia. : Φ200mm
- tray numbers : 4pcs
- tray spacing : 70mm
- flask capacity & q'ty : 100/250/500/1000ml, each 2pcs
- cold trap temp. : ≤-56°C, optional≤-80°C
- cold trap dept : 240mm
- cold trap dia. : Φ215mm
- ice collecting capacity : 3-4kg/24h
- pump speed : 2L/S
- ultimate vacuum≤5pa
- power : 970w
- main unit weight : 62kg
- main unit dimensions : 580×500×720mm
- -80°C main unit dimensions : 770×550×720mm
- drying chamber dimensions : Φ260×465mm
- cooling mode: wind cooled
- defrosting mode : air cooled
- shipping weight : 1.2L (thickness 10mm)