



General Features

- * Minimum space requirements: Chamber structure makes the freeze dryer small and compact, easy to carry and fits in labs of all sizes.
- * Square drying chamber made of medical grade 316L stainless steel, perfect sealing, high temperature stability.
- * Parallel design of shelf and cold trap, ensuring maximum temperature uniformity of samples.
- * Chamber door is made of organic glass, corrosion-resistant and transparent, easy to observe experiment process
- * Automatic cold trap one-key defrosting, save time between batches
- * Inert gas backfilling protects the sensitive products to the maximum extent



Controller Features

- ☆ 7 inch HD intelligent color touch screen, loaded with Android system, user-friendly panel, easy to operate. Experiment data and operation logs can be output by USB drive.
- ☆ Real-time display vacuum, cold trap temperature, sample temperature, alarm information.
- ☆ JD lyophilization operation system can edit and store up to 1000 protocols, each contains 50 ramps. Freeze drying process can be paused to rectify parameters.
- ☆ Freeze drying data can be monitored and saved automatically, easy to track whole freeze drying process.
- ☆ 3-level user access management, making all the data real, safe and trackable
- ☆ Wireless monitor system, equipped with 4G/wifi wireless control module, mobile APP is available to real-time monitor freeze drying parameters such as vacuum, cold trap temperature, sample temperature, freezing drying duration, etc. (Optional)
- ☆ App will push notification and send message when power supply fails, enabling operator react immediately and save samples (optional)

Technical Parameters

Cold trap temperature	-50°C
Vacuum	≤5pa(no load)
Inert gas backfilling	0.2um
Shelf dimension	220X320mm
Shelf Qty.	4 (Removable)
Shelf temperature control	natural temperature
Max. ice capacity	5kg
Pumping speed	2L/s
*Max freeze drying area	0.28 m²
Drying chamber dimension	240X380X385mm
Power	1.2KW
Power supply	AC220V±10%, 50HZ
Weight	135kg
External dimension	740 X 750 X 785mm