

GZLYZ 30-50 Medical Type Vacuum Freeze Dryer



GZLYZ 30-50 medical type vacuum freeze dryer series are widely used in medical field, such as blood products, vaccines, biological products, and chemical medicines, especially western medicine field. This series models are used in many large-scale pharmaceutical factories. In terms of injections, drug quality can be improved and storage time can be delayed through freeze drying.

Features:

- The shelves are made with unique patented technology, high pressure resistance, high flatness, and good temperature uniformity.
- The cooling speed can be controlled through The freeze-drying curve optimization control technology in the pre-frozen phase, and at the same time, the sample heating speed and the current vacuum value also can be controlled in the sublimation and analytical drying stages.
- The patented gas diversion design and control technology, strong ice collecting capacity and high drying efficiency.
- The unique dual-channel sealing technology of the mobile + fixed dual-channel door seals sterilizes the stationary silicone rubber while steam sterilizing.
- Vacuum adjustment during drying operation to avoid foaming and blowing of special materials and improve drying efficiency.
- Industrial-grade embedded touch screen + dedicated SH-HPSC-IV modular controller, stable and reliable system, high control accuracy.
- The professionally designed LYO-CONTROL control system can save multiple sets of process . At the same time, the process can be adjusted in real time during the drying process to improve the process optimization rate.
- Flexible manual + automatic control mode, the manual for groping process, and the automatic for batch production.
- The powerful LYO-MEGA host computer control system can record and save the operating data, curves and alarm records for ten years to improve the traceability of products; at the same time, it is convenient for observation, operation and fault diagnosis.

- User grades and passwords can be set, and operations can be decentralized to meet GMP-related requirements.
- The non-standardized can be customized as requested.

Technical parameters:

models parameters	unit	GZLYZ-10	GZLYZ-15	GZLYZ-20	GZLYZ-30	GZLYZ-50
freeze drying area	m ²	10.5	15	20.2	29.7	51.3
shipping weight (thickness 10mm)	L	100	150	200	300	500
shelf numbers	layer	7+1	10+1	11+1	11+1	19+1
shelf dimensions	mm	990*1520	990*1520	1210*1520	1500*1800	1500*1800
shelf spacing	mm	80	80	80	80	80
temp. range	°C	-50~+70	-50~+70	-50~+70	-50~+70	-50~+70
ice collecting capacity	kg/B	≥300	≥300	≥400	≥600	≥1000
cold trap temp.	°C	≤-75	≤-75	≤-75	≤-75	≤-75
cooling mode	-	water cooled	water cooled	water cooled	water cooled	water cooled
defrosting mode	-	water soaked	water soaked	water soaked	water soaked	water soaked
ultimate vacuum	pa	≤1	≤1	≤1	≤1	≤1
power	kw	58	80	96	120	150
dimensions (L*W*H)	m	6700*1800* 3500	6500*2300* 3600	7400*2100* 3700	6500*2400* 3800	7500*2400* 4600
vials Φ22	pcs	22932	34398	45045	64449	111321
vials Φ16	pcs	42966	64449	84843	129789	224181
overall weight	kg	7000	8000	11000	15000	26000
vapor consumption	kg/h	200	230	280	380	500
inpouring water volume	l/min	160	200	230	280	400