

GZLYZ 5-10 Medical Freeze Dryer



GZLYZ 5-10 Medical 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	unit	GZLZ-1	GZLZ-2	GZLZ-3	GZLZ-5	GZLZ-10
freeze drying area	m ²	1.15	2.16	3.24	5.2	10.5
shipping weight (thickness 10mm)	L	10	20	30	50	100
shelf number	layer	4+1	4+1	6+1	7+1	7+1
shelf dimensions	mm	600*480	600*900	600*900	750*1000	990*1520
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	≥20	≥40	≥60	≥100	≥300
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	18	21	24	25	58
dimensions (L*W*H)	m	2500*1100* 2000	2500*1300* 2000	2800*1200* 2500	4000*1500* 2500	6700*1800* 3500
Φ22 vials	pcs	2460	4608	6912	11648	22932
Φ16 vials	pcs	4788	8960	13440	22540	42966
overall weight	kg	1500	2600	2800	5000	7000
steaming water consumption	kg/h	60	80	100	130	200
inpouring water volume	l/min	60	75	90	120	160