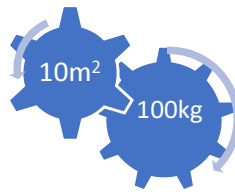


Freeze dryer FD-100



FD-100 Freeze dryer introduction

KEMOLO FD-100 is one of the smallest freeze dryers used for food or part of pharmaceuticals, herbal, extract liquid, biologicals, not for injection medicine. The FD-100 freeze dryer is contact type, known as conductive by its way of thermal transfer. This is totally different from home or laboratory freeze-dryers. The FD-100 freeze dryer is one of the best-selling models for industrial trial, used for testing various products and testing the freeze-dried market, not for laboratory or home use, but for investors or food factories as a start of their freeze-drying business, to make samples for their potential customers, and to get more experience for mass production.

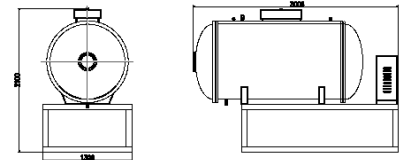


Application of the freeze dryer FD-100

Any kinds of food materials. Any kinds of biological products.

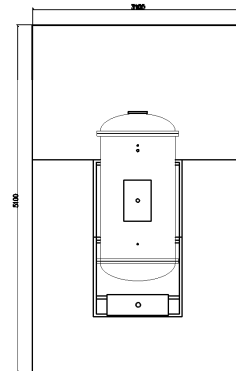
The feature of FD-100 freeze dryer

- 1, The FD-100 is all-in-one type, fully automatic, cooled by air, and can be monitored and controlled via mobile phone App as an option.
- 2, The FD-100 is installed and started-up before delivery. It is ready to use after get power wired. No extra cost to order auxiliary equipment, no extra cost for service.
- 3, Superior craftsmanship from each detail to make sure high quality freeze dryer machine. And four languages in the HMI, more considerate design for users.



Main components of FD-100:

Each single FD-100 freeze dryer is composed by a vacuum chamber with shelf, trays, vapor condenser, refrigeration system, vacuum system, heating system and control system.



Technical specification

Model	FD-100
Capacity	100kg/batch
Vapor Condenser Temperature (°C)	-45°C
Shelf Temperature (°C)	From -30°C to 100°C
Product Cooling	-30°C
Shelf area	10.0m ²
Refrigeration compressor	Low temperature
Refrigerant	R404A
Cooling way	By air/ water cooling
Vacuum pump	Double stage
Ultimate vacuum level (Pa)	10 Pa
Installed power	22 kW
Defrost way	By hot water
Control system	PLC with HMI; Recipes setting, Data records
Installation area (m ²)	16 m ² (estimated)
Chamber dimension	3600*1500*2400mm (L*W*H), SUS304
Estimated weight (kg)	2500kg