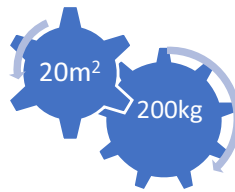


Freeze dryer FD-200



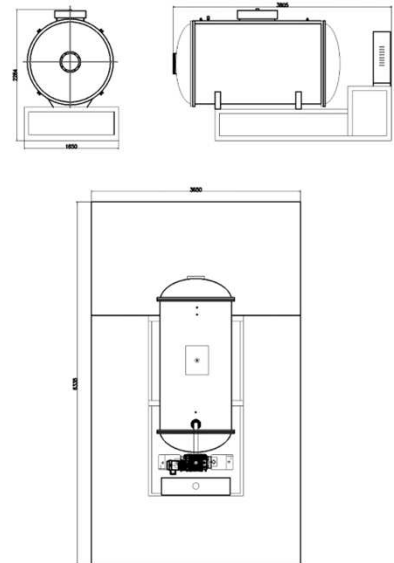
FD-200 Freeze dryer introduction

The model FD-200 is a medium size "all-in-one" freeze-dried machine made by KEMOLO. The FD-200 freeze-dried machine is used for small production in a small freeze-dried food factory. This size of freeze-dried machine is not for trial production anymore, as its fresh products input capacity is 200kg or 200 liters. There is a big number of lyophilized products. The FD-200 is good for a new starting freeze-drying business enterprise. The FD-200 can be used for both food and liquid solution, and part of pharmaceutical products like herbals and extract liquid. This type of freeze-dried machine is in an integrated structure, no need installation service.



The feature of FD-200 freeze-dried machine:

The FD-200 conductive freeze dryer is made of AISI304 stainless steel, with a wide application range and economic for both shipping and installation. As an integrated structure, the FD-200 needs a small area to install the freeze-dried machine. The operation is simple: load the prepared food in o the freeze-dried machine by trays, turn on the machine. And all workers can leave the plant for others work. After 20-24 hours, the food will be freeze-dried, get them out and pack in o prepared aluminum foil bags. It does not need any people to take care of it during the machine running. Historical data records and a table of production data can be saved and downloaded as excel file. Automatic and manual control modes are standard configuration in all KEMOLO freeze dryers. Multilingual HMI with 4 languages, it can be switched at any page.



Technical specification

Model	FD-200
Capacity	200kg/batch
Vapor Condenser Temperature (°C)	-45°C (Non-load)
Shelf Temperature (°C)	From -30°C to 100°C
Product Cooling	-30°C
Shelf area	20.0m ²
Refrigeration compressor	Low temperature
Refrigerant	R404A
Cooling way	By air/water cooling
Vacuum system	Vacuum pump + booster
Ultimate vacuum level (Pa)	10 Pa
Installed power	34kW
Defrost way	By hot water
Control system	PLC with HMI; Recipes setting, Data records
Installation area (m ²)	24 m ² (estimated)
Chamber-over all dimension	4200*1950*2550mm (L*W*H), SUS304
Estimated Weight (kg)	3500kg