

FD-10L Vacuum Freeze Dryer Machine (lyophilizer)



Freeze-drying is widely used in the pharmaceutical industry to stabilize drug products. During lyophilization, solvent is removed from solid phase (direct sublimation, or gas phase) to produce a dry product that can be readily reconstituted to its original liquid formulation by the addition of solvent. The process extend shelf life of the product by inhibiting chemical and physical degradation pathways that occur in the presence of moisture.

FD-L series Freeze Dryer, Lyophilizer designed for commercial and industrial bulk production, could meet lyophilization process demand in food, pharmaceutical, biological, chemical area, the freeze drying machine with integrated structure and modular systems which is easy maintenance and install, Huayu Brother freeze dryer, lyophilizer provide you the most reliable and stable working lyophilization equipment based on high advanced Ethernet LYO-Controller, we also accept customized services.

FD-10L is an commercial freeze dryer design and produce under GMP, Available shelf area 10.5sq.m,7 shelves, 42 trays and ice capacity 200L in 24hrs, Final vacuum <1Pa.

Technical Parameters:

Models	FD-10L (TP, CIP, SIP optional)
Useable trays area	10.5sq.m
Ice capacity	200kgs
Shelves number	7+1
Shelf size	1000*1500mm
Shelf spacing	80mm
Material tray size	500*500*20mm
Material trays	42pcs
Shelf temperature	-50°C to +70°C
Ice Condenser temperature	-80°C
Vacuum degree	<1Pa
Power install	45kwh
Install size	4000*2000*2500mm
Vials capacity	φ22 >21000pcs