

FD-20L Freeze Dryer (lyophilizer)



FD-L series freeze dryer, Lyophilizer designed for commercial and industrial bulk production, could meet lyophilization process demand in food, pharmaceutical, biological, chemical, drugs, commercial and industrial, factory, 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.

The Heating and freezing shelves could cool shelf to -50C, and cool ice condenser -80C, with vacuum degree <1C, could meet most lyophilization process need, the shelves heating by electric heater, whatever heating and freezing introduce PID which go for a better performance.

FD-20L is an commercial freeze dryer design and produce under GMP, Available shelf area 19.8sq.m,11 shelves, 66 trays and ice capacity 300L in 24hrs, Final vacuum <1Pa.

Technical Parameters:

Models	FD-20L (TP, CIP, SIP optional)
Useable trays area	19.8sq.m
Ice capacity	300kgs
Shelves number	11+1
Shelf size	1200*1500mm
Shelf spacing	80mm
Material tray size	500*600*20mm
Material trays	66pcs
Shelf temperature	-50°C to +70°C
Ice Condenser temperature	-80°C
Vacuum degree	<1Pa
Power install	60kwh
Install size	6000*2100*3000mm
Vials capacity	φ22 >40000pcs