

## *FD-5R Freeze Dryer*



FD-5R Freeze Dryer/Lyophilizer is a popular model mainly for commercial pilot production and preparation for industrial bulk production, the freeze dry machine could universal use in food, fruit, vegetables, dairy, herbs, books etc. Vacuum freeze drying protect products' original color, structure and components contain, freeze dried products with premium quality.

FD-5R freeze dryer/Lyophilizer with valid shelf area 5.25m<sup>2</sup>, and 75kgs/24hrs vapor collect capacity, designed could fit any of your specific application capacity between 30kg to 75kg.

### **Technical Features:**

1. Integrated structure, compact size.
2. AISI 304 drying chamber, AISI304 shelf and material tray, meet FDA standard. Drying house with hemispherical corner easy cleaning.
3. Double stage Piston compressor system could cool ice condenser to -65°C and shelves to -40°C.
4. Shelves with heating and freezing function.
5. AISI304 ice condenser, water spraying nozzle installed on top for defrosting.
6. Leybold vacuum pump, system final vacuum <15Pa.
7. PLC+Touch Screen control system. Automatic and manual working.
8. Hot water spraying defrosting system.

With customized parts or function, the Freeze dryer lyophilizer technical features maybe a little change.

**Technical Parameters:**

<b>Model</b>	<b>FD-5R</b>
Shelf area	5.25sq.m
Ice capacity	75kg/24hr
Shelves	7+1
Shelf size	750*1000mm
Material tray size	750*500mm
Material tray quantity	14pcs
Shelves temp.	-40 to +120°C
Condenser temp.	<-65°C
Vacuum degree	<15Pa
Power install	15kwh
Drying House Size	3300*1500*2500mm
Voltage	380V/50-60Hz/3P
Design standard	FDA, GB, CE