

# VIKUMER®

## Versatile Laboratory Freeze Dryer LGJ- 18



An economic freeze dryer/Lyophilizer with portable bench top design: compact size, simple structure, removable drying chamber and shelves, easy move, assembly and operate by touch screen controller system. LGJ freeze dryer is the ideal lyophilization equipment for your lab scale research, experimental even small volume production.

Configured to meet your demand, LGJ freeze dryer/Lyophilizer provide a removable shelf module with 3/4 plates with valid shelf area 0.08m<sup>2</sup> to 0.27m<sup>2</sup>, Vapor collect condenser temperature - 55C/-80C and 2L/4L vapor collect capacity.

A 7" Touch screen controller could real-time display raw material temperature, ice condenser temperature and vacuum level. Lyophilization data could export to U-disk.

### Technical Features:

- Portable bench top.
- Freeze dryer and chamber 2 part. Easy assembly, operate and cleaning.
- Vertical cylindrical, acrylic see-through drying chamber.
- -55C or -80C Condenser, stainless steel vertical cylindrical type vapor collector.
- 3L~4L condenser capacity.
- Condenser could use for raw material freezing, freezing rack provide.
- 2 stage vacuum pump, system final vacuum degree <5Pa.
- Vacuum pump connect freeze dryer by hose and quick loop.
- 7" Full color touch screen monitor:
  - Real time display ice condenser, raw material temperature and vacuum degree.
  - Freeze drying curve and history curve display and export to U disk.
- Manual vacuum break valve.
- Manual defrosting water discharge valve.
- Freestanding models could select shelves heating (36V safety voltage, heating temperature control system).

**Technical Parameters:**

<b>Model</b>	<b>LGJ-18A</b>
Function	Tray
Shelf Area	0.18m <sup>2</sup>
Drying House Size	Φ300×445mm
Material Trays	4EA
Ice Capacity	4L
Condenser Temp.	-55°C/-80°C
Vacuum	<5Pa
Defrosting	Natural Defrosting
Control Type	Touch Screen
Power Install	1400w
Shelves Heating	Optional
Electric	110V/220V
Install Size(-55C)	630×580×1415mm