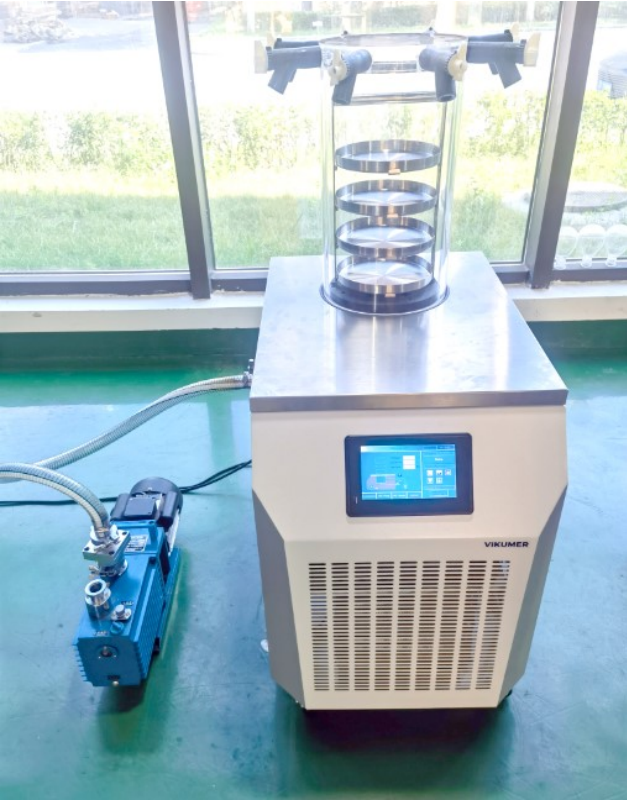


LABORATORY FREEZE DRYER

LGJ-20 SERIES





Freestanding Freeze Dryer

The LGJ-20 freeze dryer features floor type that capable of install a wide range of accessories to expand its functions, for example shelves heating module, eutectic point detector and chamber vacuum auto regulator etc.

It is designed to satisfy daily freeze drying tasks, samples preservation and recipes development demand in R&D laboratories, research institutes and universities.

Technical Features

- Freestanding unit.
- Powder coated steel cabinet with casters.
- Easy cleaning stainless steel countertop.
- Upright stainless steel ice condenser with 9L volume.
- Vapors collect capacity up to 5kgs in 24hrs period ^[1].
- 6 Selections of drying chamber ^[2], capable of drying material in trays, vials, ampoules and flasks.
- 1 compressor for -55C models, 2 compressors for -80C models.
- Air cooled compressor system.
- Side mounted vacuum port and condenser water drain valve.
- Microprocessor-based controller, 7" user-friendly touch screen HMI, LYO-LAB V2.0 interface:
- Easy to understand & operate control interface.
- Large buttons to turn on/off compressor and vacuum pump.
- Real-time temperature readings of ice condenser, raw material and vacuum degree.
- Real-time freeze drying trend, data-logging functionality and can be exported via USB.
- System settings and sensors calibration.

Technical Specification

	LGJ-20 (-55C)	LGJ-20 (-80C)
Condenser Performance	4Kgs/24Hrs	5Kgs/24Hrs
Condenser Temp.	-55C	-80C
Base Unit Size	W/520*D/580*H/720mm	W/520*D/750*H/720mm
Estimate Weight	60Kgs	95Kgs
Power Install	600w	1180w
Vacuum Flow	133L/Min	133L/Min
Compressor	1	2
Voltage	110V/220V	110V/220V



Type A



Type B



Type C



Type D



Type E



Type T

Accessories

Item	Description	Application	Size
Type A: Standard Chamber	Acrylic chamber with 4 shelves.	Drying bulk material in trays.	Chamber Size: Dia.260*430mm Tray Size: Dia. 200mm (4pcs) Shelf Spacing: 70mm
Type B: Stoppering Chamber	Acrylic chamber with 3 shelves and vials closing system.	Drying bulk material in trays and in vials.	Chamber Size: Dia.260*490mm Tray Size: Dia. 180mm (3pcs) Shelf Spacing: 70mm
Type C: Standard Chamber with 8 Manifold	Acrylic chamber with 4 shelves and 8 manifolds.	Drying bulk material in trays and in flasks.	Chamber Size: Dia.260*465mm Tray Size: Dia. 200mm (4pcs) Shelf Spacing: 70mm
Type D: Stoppering Chamber with 8 Manifold	Acrylic chamber with 3 shelves and vials closing system and 8 manifolds.	Drying bulk material in trays, in vials and in flasks.	Chamber Size: Dia.260*540mm Tray Size: Dia. 180mm (3pcs) Shelf Spacing: 70mm
Shelves Heating Module	For Chamber Type A, B, C and D	36V, 400W, Shelves Temp. RT~+60C	Chamber Size, Tray Size and Shelf Spacing Keep the Same as Above
Type E: Ampoules Rack	S/S rack with rubber valves for ampoules.	Drying material in ampoules.	24 Manifold: W/480*H/430mm 48 Manifold: W/480*H/500mm
Type T: Flasks Rack	S/S rack with rubber valves for flasks.	Drying material in flasks.	12 Manifold: W/650*H/430mm 24 Manifold: W/650*H/520mm

Options

Item	Part No.	Description
S/S316L shelf		
S/S316L trays		
S/S316L condenser		
PTFE coated condenser		
Condenser auto defrost		
Shelf heating module		
Vacuum control kit		
Oil sealed vacuum pump		
Dry vacuum pump		
Hybrid vacuum pump		
Eutectic point detector		

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