

# LABORATORY FREEZE DRYER

## LGJ-20 SERIES



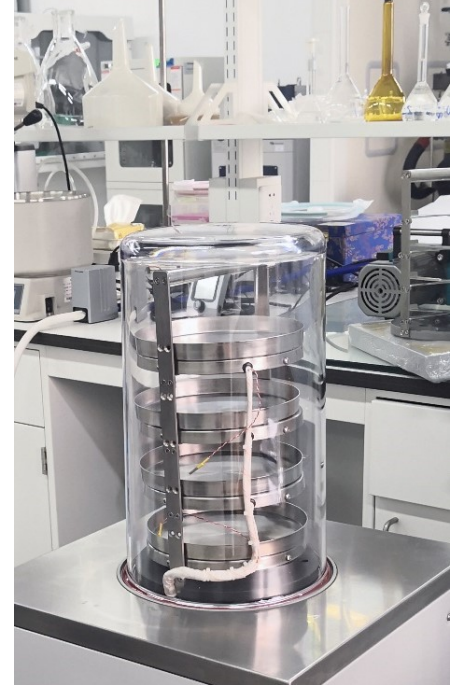
### Standard Features

Vekuma's LGJ-20 laboratory freeze dryer features floor type that capable of install a wide range of accessories for lab research development. The vapor collect condenser temperature as low as -120C, which means it can handle ultra-low eutectic point materials.

- Floor model with wheels, easy to move and install.
- Vapor collect capacity 5kgs in 24hrs period <sup>[1]</sup>.
- 6 Selections of drying chamber, capable of drying material in trays, vials, ampoules and flasks.
- Ice condenser capable of raw product freezing.
- 1 compressor for -55C models, 2 compressors for -80C/-120C 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 and raw material, as well as vacuum degree.
- Real-time freeze drying curve, data-logging functionality and exportable to U disk.
- Password protection function.

## Technical Specification

	LGJ-20 (-55C)	LGJ-20 (-80C)	LGJ-20 (-120C)
Condenser Capacity	4Kgs/24Hrs	5Kgs/24Hrs	6Kgs/24Hrs
Condenser Temp.	-55C	-80C	-120C
Base Unit Size	W/520*D/580*H/720mm	W/520*D/750*H/720mm	W/640*D/810*H/950mm
Estimate Weight	60Kgs	95Kgs	105Kgs
Power Install	600w	1180w	1650w
Vacuum Flow	133L/Min	133L/Min	133L/Min
Compressor	1	2	2
Voltage	110V/220V	110V/220V	110V/220V



Heated Shelf Module

## Accessories

Item	Part No.	Description
Standard Drying Chamber	Type A	Acrylic chamber with 4 shelves (for bulk material), Dia.260*430mm
Stoppering Chamber	Type B	Acrylic chamber with 3 shelves and manual vials closing system (for vials), Dia.260*490mm
Standard Chamber with 8 Ports Manifold	Type C	Acrylic chamber with 4 shelves and 8 manifolds (for flasks), Dia.260*465mm
Stoppering Chamber with 8 Ports Manifold	Type D	Acrylic chamber with 3 shelves and manual vials closing system and 8 manifolds (for vials and flasks), Dia.260*540mm
Ampoules Rack	Type E	S/S rack with rubber valves for ampoules. 24 ports manifold size: W/480*H/430mm; 48 ports manifold size: W/480*H/500mm
Flasks Rack	Type T	S/S rack with rubber valves for flasks. 12 ports manifold size: W/650*H/430mm; 24 ports manifold size: W/650*H/520mm

## Options

Name	Part No.	Description
S/S316L material		Shelves, trays, condenser.
PTFE coated condenser		
Condenser auto defrost		
Shelves heating		36V electric heating, shelves temperature controllable RT ~ +60C.
Vacuum adjustable		
Oil sealed vacuum pump		2-stage oil sealed rotary vane pump
Dry vacuum pump		
Hybrid vacuum pump		
Eutectic point detector		

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