

# LABORATORY FREEZE DRYER

## LGJ-10 SERIES





## Benchtop Freeze Dryer

Vikumer's LGJ-10 is a benchtop unit that has been perfected version after version to deliver higher performance and robust technical features on a smaller footprint.

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

## Technical Features

- Compact table top unit.
- Powder coated steel cabinet with rubber feet.
- Easy cleaning stainless steel countertop.
- Upright stainless steel ice condenser with 5.5L volume.
- Vapors collect capacity up to 3kgs in 24hrs period <sup>[1]</sup>.
- 6 Selections of drying chamber <sup>[2]</sup>, 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-10 (-55C)	LGJ-10 (-80C)
Condenser Performance	2Kgs/24Hrs	3Kgs/24Hrs
Condenser Temp.	-55C	-80C
Base Unit Size	W/420*D/640*H/350mm	W/520*D/685*H/525mm
Estimate Weight	45Kgs	65Kgs
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
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		
Vacuum control kit		
Oil sealed vacuum pump		
Dry vacuum pump		
Hybrid vacuum pump		
Eutectic point detector		

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