

LGJ-20PLUS

LABORATORY FREEZE DRYER





Technical Parameters

| | LGJ-20Plus (-55C) | LGJ-20Plus (-80C) | LGJ-20Plus (-120C) |
|-----------------------|---------------------|---------------------|---------------------|
| Condenser Capacity | 17L | 17L | 17L |
| Condenser Performance | 6Kgs/24Hrs | 8Kgs/24Hrs | 9Kgs/24Hrs |
| Condenser Temp. | -55C | -80C | -120C |
| Base Unit Size | W/550*D/680*H/950mm | W/550*D/810*H/950mm | W/650*D/810*H/950mm |
| Estimate Weight | 75Kgs | 115Kgs | 125Kgs |
| Power Install | 850w | 1550w | 2000w |
| Voltage | 110V/220V | 110V/220V | 110V/220V |


Technical Features

- Mobile freestanding unit.
- Powder coated steel cabinet with wheels.
- Easy cleaning stainless steel countertop.
- Upright stainless steel ice condenser with 17L volume.
- Vapor collect capacity up to 9kgs in 24hrs period ^[1].
- 6 Selections of drying chamber ^[2], capable of drying material in trays, vials, ampoules, flasks or simultaneously.
- 1 compressor for -55C model, 2 compressors for -80C and -120C model.
- Air cooled compressor system.
- Side mounted vacuum connection and condenser water drain valve.
- Microprocessor-based controller, 7” user-friendly touch screen HMI, intuitive LYO-LAB interface:
- Large virtual buttons of 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.


Laboratory Freeze Dryer

Large Capacity Laboratory Freeze Dryer


Accessories




Type A




Type B




Type C



Type D



Type E



Type T

| Item | Description | Size | Trays |
|--------|--|--|-------------------|
| Type A | Standard chamber | Dia.300*445mm | Dia. 240mm (4pcs) |
| Type B | Stoppering chamber | Dia.300*540mm | Dia.200mm (3pcs) |
| Type C | Standard chamber with 8 manifolds | Dia.300*465mm | Dia. 240mm (4pcs) |
| Type D | Stoppering chamber with 8 manifolds | Dia.300*570mm | Dia. 200mm (3pcs) |
| Type E | S/S rack with rubber valves for ampoules | 24 Manifold: W/480*H/430mm 48 Manifold: W/480*H/500mm | / |
| Type T | S/S rack with rubber valves for flasks. | 12 Manifold: W/650*H/430mm 24 Manifold: W/650*H/520mm | / |

Options

| Item | Part No. | Description |
|-------------------------------|----------|-------------|
| S/S316L material | | |
| PTFE coated condenser | | |
| Vacuum regulate kit | | |
| Oil sealed vacuum pump | | |
| Dry vacuum pump | | |
| Eutectic point detector | | |
| Product temp. sensors up to 4 | | |
| Heated shelves | | |

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