

Commercial proposal

Compiled:	15.09.2022
Valid :	12 month
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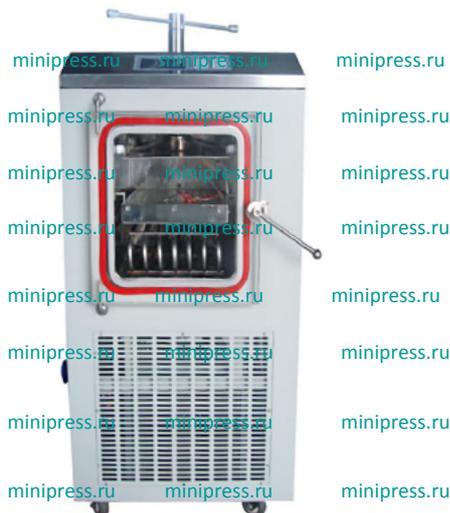
Laboratory vercal freeze drying LG-08

DESCRIPTION

Laboratory vacuum freeze-dried freeze-drying of vertical type with an area of 0.1 m² with a weight of 150 kg. The doors of the drying cabinet and the cooled chamber are made of transparent polymethylmethacrylate to observe the process. Number of shelves 1. Ideal for research laboratories and pilot production. The freezer is a technical approach that can freeze aquifers in advance, and then elevate water in vacuum dislloon to obtain dry powders. Aer freeze-drying, objects will be beer for long-term storage, with me, with the addition of water, the product can return to a preliminary state and retain the original chemical and biological characteristics.

For thermal material, such as antibiotics, vaccines, blood products, enzyme hormones and biological products, lyophilization technology can show its superiority over ultrasonic drying. We provide a full range of services: installation, training, start-up, repair. Menu and instructions for use in English and Russian. Complies with the GMP standard. We provide detailed instructions for setting up this freeze drying model. Before shipment drying is checked and tested in production. Completeness and working capacity is guaranteed. We maintain a stock of parts and consumables in the warehouse. The price is indicated taking into account customs payments in Russia and delivery to the city of the client.

MANUFACTURER - CHINA





SPECIFICATIONS

Laboratory vercal freeze drying "LG-08"
 Area of drying: 0,1 m2
 Coolant temperature: ≤ -55 °C (empty load)
 Temperature range of the paron: $-50 \sim + 65$ °C
 Number of parons: 1
 Space for parons: 70 mm
 Water intake capacity: 1 kg / 24 hours
 Loading: 2 liters
 Degree of vacuum: ≤ 10 Pa
 Shelf size: 265x400x25 mm
 Voltage: 220V, 50Hz
 Cooling: Air, ambient temperature ≤ 25 °C
 The volume of the bottle: diameter 12mm - 650 pieces
 The volume of the bottle: diameter 16mm - 384 pieces
 The volume of the bottle: diameter 22mm - 185 pieces
 Overall dimensions: 500mm x 400mm x 1000mm
 Weight: 150

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ADDITIONAL INFORMATION

Freezer model, patented lyophilizaon structure. Changed the tradional complex operaon to prevent contaминаon of the material. The process of automaon of drying is suitable for the producon of quality products. Freezer chamber with programmable control of the heang shelf and regulaon, allows you to accurately control the temperature. Human-computer interface with a widescreen LCD display, curve and data make informaon about the freeze-drying process available. Full process of pre-freezing and drying in one machine. The freezer is equipped with inspecon windows, and the drying process is intuitive. The process of operation of this equipment consists in placing in the freeze drying chamber vials of liquid material, followed by obtaining dried powder. Pre-rinsed and dried glass penicillin bottles are used in which the material is poured. Then the vials are sealed with special rubber stoppers having side slits in the part that enters the mouth of the vial. Capping is not done unl the end but by 50%, only to x the rubber stopper in the neck of the bole. Subsequently, through the sloed vacuum, the liquid is pumped out of the vial. In the nal stage, aer complete dehydration of the material, the cork is completely capped by hydraulic movable shelves. Thereby, the drying takes place in a vacuum medium, and then the material is nally packed in a vacuum. This gives (in contrast to other types of such drying) to keep the material in a vacuum for 1-2 years. Aer the vials are evacuated, the chamber can be opened and an automac or semiautomac xaon of the rubber stopper with an aluminum cap can be made. Caps are put on the neck of the bottle and sealed. According to the manufacturer of the equipment, with this technology it is possible to completely restore the life of the material aer dehydraon at the opening of the vacuum package within 4-5 hours.

PRODUCTION TIME 30-40 DAYS
ESTIMATED DELIVERY TIME 30-40 DAYS

PRICE 10169,49 USD
VAT 1830,51 USD

VALUE 12000.00 USD

Payment is made in rubles to the account in Moscow at the rate of the RF Cental Bank

OUR SERVICES FOR CLIENTS:

1) TRAINING SUBLIMATION TECHNOLOGIES

We training on our equipment before buying. Tesng of materials. We provide consultaons on the organizaon of producon of lyophilic materials, with a full range of addional equipment and consumables (boles, special plugs, aluminum caps).

2) COMPLETE LABORATORIES FOR PHARMACEUTICAL PRODUCTION.

We have a laboratory test lyophilizer for the producon of pilot batches in Russia, which we provide to our customers. You can always contact us with your ideas and requests. Currently, the manufacturer has almost 20 variees with a useful shelf area from 1 m2 to 40 m2.

3) DELIVERY OF SUBLIMATION EQUIPMENT.

The products fully comply with the new GMP requirements. The release of equipment for advanced technology is accompanied by strict quality control, vericaon of all documentaon, well-organized aer-sales service of equipment.

4) SPARE PARTS SUPPLY

The manufacturer can also change the parameters of freeze drying based on the goals and objecves of the customer. In comparison with comparable products, this freeze drying is more ecient. Service center in Russia for the CIS count



Roman Tsibulsky

Owner and supervisor

ROMAN TSIBULSKY