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Supplier of pharmaceutical equipment in Russia
Founded in 1999

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Commercial proposal

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Laboratory horizontal freeze drying LG-08

DESCRIPTION

Laboratory vacuum freeze-drying lyophilic drying of horizontal 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 distillation 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 the 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 instruction 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. Price is indicated taking into account customs payments in Russia and delivery to the city of the client.

MANUFACTURER - CHINA





SPECIFICATIONS

Laboratory horizontal freeze drying "LG-08"
Area of drying: 0,1 m²
Coolant temperature: ≤ -80 °C (empty load)
Temperature range of the paron: -50 ~ + 65 °C
Number of parons: 1
Space for parons: 70 mm
Water intake capacity: 1 kg / 24 hours
Loading: 1 liter
Degree of vacuum: ≤ 10Pa
Shelf size: 265x400x25 mm
Voltage: 220V, 50Hz
Cooling: Air, ambient temperature ≤25 °C
The volume of the bole: diameter 12mm - 650 pieces
The volume of the bole: diameter 16mm - 384 pieces
The volume of the bole: diameter 22mm - 185 pieces
Overall dimensions: 500mm x 400mm x 1000mm
Weight: 150 kg
Weight with packing: 250 kg

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ADDITIONAL INFORMATION

Freezer model, patented lyophilization structure. Changed the traditional complex operation to prevent contamination of the material. The process of automation of drying is suitable for the production of quality products. Freezer chamber with programmable control of the heating shelf and regulation, allows you to accurately control the temperature. Human-computer interface with a widescreen LCD display, curve and data make information about the freeze-drying process available. Full process of pre-freezing and drying in one machine. The freezer is equipped with inspection 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 boles 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 neck of the vial. Capping is not done until the end, but by 50%, only to fix the rubber stopper in the neck of the bole. Subsequently, through the sloped vacuum, the liquid is pumped out of the vial. In the final stage, after 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 finally 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. After the vials are evacuated the chamber can be opened and an automatic or semiautomatic operation of the rubber stopper with an aluminum cap can be made. Caps are put on the neck of the bole and sealed. According to the manufacturer of the equipment, with this technology it is possible to completely restore the life of the material after dehydration at the opening of the vacuum package within 4-5 hours. Storage in a vacuum of material is possible at a temperature not exceeding +36 degrees C.

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

PRICE 8747,58 USD
VAT 1525,42 USD

VALUE 10000.00 USD

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

OUR SERVICES FOR CLIENTS:

1) TRAINING OF SUBLIMATION TECHNOLOGIES.

We can train you on our equipment before buying. Testing of materials. We provide consultations on the organization of production of lyophilic materials, with a full range of additional equipment and consumables (bores, special plugs, aluminum caps).

2) COMPLETE LABORATORIES FOR PHARMACEUTICAL PRODUCTION.

In Russia we have a laboratory test lyophilizer for the production of pilot batches, which we provide to our customers. You can always contact us with your ideas and requests. Currently, the manufacturer has almost 20 varieties 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, verification of all documentation, well-organized after-sales service of equipment.

4) SPARE PARTS SUPPLY

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



Roman Tsibulsky

Owner and supervisor
ROMAN TSIBULSKY