

CHAMBRE ISOLATION PRESSION NÉGATIVE

Réf : BFG-1



Equipment working conditions

- a-Ambient temperature: 10 °C to 40 °C;
- b-Relative humidity : $\leq 75\%$;
- c-The atmospheric pressure: 70 KPa to 106 KPa
- d-Internal power supply DC12V
- e-No strong magnetic field interference and mechanical vibration, no corrosive gas, no direct light

Technical parameters

Model technical parameters	BFG - 1
Dimensions(LxWxH)mm	1900x680x500
Internal power	DC 12V
Ventilation	Not less than 50L/min
Negative pressure	Not less than 15Pa(with in 2min)
Cleanliness	Aerosol leakage rate $\leq 0.01\%$
noise	65dB(A)
equipment weight	20kg

Note: The company reserves the right to change the design of the product, and the product is subject to change without notice.

Product features

- a). Classification by electric shock prevention type: internal power equipment
- b). Classified by the degree of protection against electric shock: Type B application part
- c). Classified by the degree of protection against incoming fluid: IPX0
- d). Classified according to the degree of safety when used with flammable anesthetic gas mixed with air or with flammable anesthetic gas mixed with oxygen or nitrous oxide: it must not be used in the presence of flammable anesthetic gas mixed with air or with oxygen or oxygen Use in the case of flammable anesthetic gas mixed with nitrous acid;
- e). Classification by operation mode: continuous operation

Performance

The technical indicators of the Biological Isolation Chamber products have been verified to meet the "Product Technical Requirements" formulated by the company.

(A) Negative pressure value: A negative pressure of not less than 15 Pa shall be established in the negative pressure isolating compartment within 2 minutes.

(B) Noise: In normal operation, the noise in the Biological Isolation Chamber is not more than 65dB (A).

(C) Cleanliness: The aerosol leakage rate at the air outlet of the negative pressure isolation compartment should not exceed 0.01% during normal operation.

(D) Air exchange volume: The air exchange volume of the negative pressure isolation tank is not less than 50L / min.

(E) Alarm

- Negative pressure abnormal alarm

When the negative pressure in the cabin is less than 15Pa, the negative pressure alarm indicator lights up and the alarm starts.

- Abnormal voltage alarm

When the internal power supply voltage is less than 10V, the voltage alarm indicator lights up and the alarm starts.

Structure and composition

Biological isolation chamber is mainly composed of negative pressure cabin and exhaust filtering device. The negative pressure cabin is mainly composed of a movable hatch and a bilge; the exhaust filter device is mainly composed of a fan, a high-efficiency filter and a control system that generate a negative pressure. Specifically is as shown in Picture 1:



Picture 1 biological isolation chamber 4b

1-Hatch

2- Bilge

3- Fan

4-Control System

5- High efficiency filter