

BioChamber



User's Manual



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I-Introduction

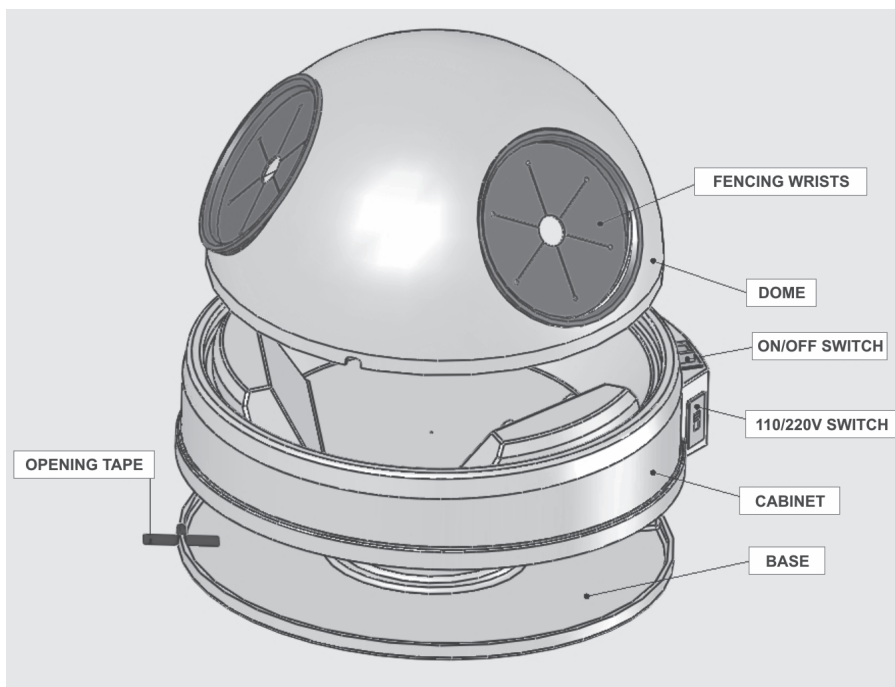
BioChamber is a cabin with an exhaust system which was dedicatedly designed for Microjato blasting processes aiming at preventing the dirt generated in these processes to be released in the environment, featuring more cleanness, promptness, efficiency, safety and convenience.

BioChamber has become indispensable at dental labs and clinics. Easy to use and handle.

It is important to highlight that the use of BioChamber do not replace the required personal protective equipment, as mask and gloves.

In order to get the best usage, safety and efficiency out of it, we recommend you to read the whole User Manual before initiating any installation or operation.

Take a look at the following figure to check BioChamber's main components and better understand the its instructions:



2-Installation and Operation

BioChamber does not require any special installation, however it must be installed in a plain, ventilated and humid-free area.

Its operating voltage is only 230V; make sure the electric network voltage is compatible before turning it on.

Then plug the BioChamber's power cord into a wall outlet.

Based on the dome's project and features, Bio-Art BioChamber does not need exclusive illumination; we recommend you install it at ambient lighting.

After plugging the power cord into the electric network, press the ON/OFF Switch, located on the side part of the equipment to get it working.

Do not block the air exit located on the rear of the equipment, as it is important to ensure the success of the suction system and motor cooling.

3-Maintenance and Cleaning

BioChamber aspiration system was designed so that only the harmful and finest particles are aspirated and stored on the basis of the equipment, the larger particles will be stored on the cabinet bottom.

Before initiating the cleaning process, make sure your BioChamber is turned off and the power cord is plugged out.

You must begin the cleaning by removing BioChamber's dome which must be cleaned with a paintbrush and then washed out with water and neutral detergent.



Caution: Cleaning the dome with abrasive sponges may scratch it, making it opaque and thus compromising the work visibility.



For cleaning the cabinet and the basis, dispose the residues stored on the cabinet bottom with a paintbrush by holding the equipment in a horizontal position, then detach the Cabinet from the Basis using the opening tape on the left of the equipment (as in the figure below), and also with the help of a brush dispose the residues stored on the basis.

Wipe both parts (cabinet and basis) with a damp cloth to complete, careful not to wet the aspiration motor.

Note: Never use compressed air to clean the equipment.

4-Safety Precautions

- Even when using Bio-Art BioChamber, we recommend you use personal protective equipment (EPI) to work with the Microjato.
- Always wear protective glasses, gloves and breathing masks.
- During the blast, do not point Microjato's ejector nozzle to BioChamber's Dome, because the latter may get matt and compromise the work visibility.
- For a better work ergonomics, the cabinet was designed with two hand supports located below the sealing wrists, according to the figure below.
- Do not submit the equipment to any modification and/or adaptation.



CAUTION: Never point the ejector nozzle to any parts of your body during the blasting process.



5-Replacing the Protection Fuse

- 1- Disconnect the power cord from the mains power outlet before replacing the fuse;
- 2- Get a small screwdriver into the fuse carrier drawer located right on top of the power cord input within the cabinet to help you take it off and then pull the drawer.
- 3- Replace the burned fuse with another fuse of the same type ($\varnothing 5$ x20mm) 1.5A/250V;
- 4- Put the drawer back until it is completely fasten.
- 5- Plug the power cord into the wall outlet and turn BioChamber on to check if its working properly.

CAUTION



• In case the fuse still does not work properly, contact the Authorized Technical Assistance.

• Always keep a back-up fuse in good conditions and prefer a Ø5x20mm 1.5A/250V standard fuse.












6-Troubleshooting

PROBLEM	POSSIBLE CAUSE	SOLUTION
BioChamber does not work after switching it on.	BioChamber's Electric power shortage.	Check the electric network, the power cord and the protective fuse.
Default aspiration	Electric power shortage or default	Check the electric network, the power cord and the protective fuse.
	Clogging of the cabinet ventilation window.	Check the possible clog causes for the cabinet ventilation window.
Dome's lack of visibility	Residue accumulation.	Clean out the dome with a brush and then with water and neutral detergent.
Cabinet overheating close to the electrical control.	Excess of continuous works or BioChamber has been installed in a non ventilated area.	Turn it off for cooling and then resume your work. BioChamber must be installed in a ventilated area.

7-Technical Specifications

- Voltage 230 Vac 50/60 HZ
- Maximum capacity 15W
- Fuse 1.5A
- Electrical compartment protected against electric shocks.
- Product weight without package 1,32 Kg
- Product weight plus package 1,72 Kg
- Equipment sizing: Ø 31 x 20 cm
- Packaging Sizing: (WXDXH) 32 x 32 x 21 cm

8-Signs

 <i>Review the manual</i>	 <i>Warning!</i>	 <i>Model Code</i>	 <i>Model Code</i>
 <i>Authorized Representative in the European Community</i>	 <i>Date of Manufacture</i>	 <i>Manufacturer Data</i>	 <i>Store in Dry Place</i>
 <i>This side up</i>	 <i>Fragile</i>	 <i>Maximum stacking</i>	

9-warranty term and technical assistance

BIO-ART Equipamentos Odontológicos Ltda., grants one (1) year warranty for this product, from its date of purchase. This warranty covers any and all manufacturing defects and is provides repairs for devices pursuant to the following requirements:

- The product has been used properly, according to the instructions described in the instruction manual;
- The claim is accompanied by the Purchase Invoice and filed within the warranty period, along with a report describing the product defect and serial number;
- The product is used, transported and stored with caution;
- The cost for transportation (round trip) is borne by the customer;

Warranty limitations:

- Natural wear of parts;
- Misuse, falls or casualties;
- Improper transport;
- Repair by unauthorized persons;
- Use in disregard of the characteristics and purposes of the product;
- Wear due to exposure to adverse conditions (humidity, cold and intense heat);
- Damage due to the lack of cleaning or maintenance with improper products;

In case of further questions, please consult the manufacturer:

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