

JOHN BUNN®  
**NANO-SONIC™**



**COMPRESSOR NEBULIZER**  
**MODEL: JB0112-066**

# **USER'S MANUAL**

**Read this manual before operating the nebulizer**  
**Save these instructions for future reference**

**Caution:**

Federal law restricts this device to sale by or on order of a physician, or any other practitioner licensed by the law of the State in which he practices to use or order the use of this device.

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## Introduction

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Congratulations for having purchased a John Bunn Nano-Sonic Nebulizer!

Thanks for your support.

Graham-Field warrants that this device has been produced using high quality materials and it complies with the safety rules in force both domestically and internationally.

The John Bunn Nano-Sonic Nebulizer operates on ultrasound which produces the drug solution vibration and turns it into mist. Effective and quick results are achieved without side-effects.

This model comes with the exclusive Closed Water Chamber System, easy to use:

All you need to do is pour the solution into the medication cup and it is ready to use.

## Symbols key

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ON.....		Class II.....	
Off / Customize nebulizing.....		Type B.....	
DC.....		Read the instructions....	

It operates on three types of power sources: the main supply via AC adapter, the optional car lighter adapter and the optional rechargeable battery pack.

**CAUTION:** As per USA Federal regulations this product can only be sold under medical prescription.

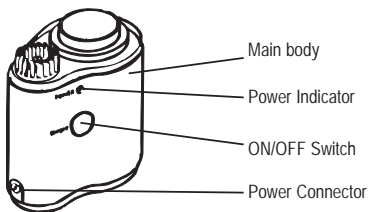
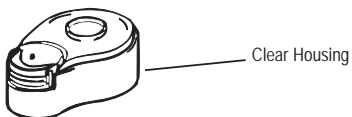
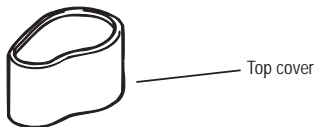
### **Recommendations**

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1. Read the manual carefully before using the device and keep it in case you need further information in the future.
2. Do not turn the device on if there is no drug solution in the medication cup.
3. Disconnect the nebulizer when it is not being used.
4. Do not remove the medication cup cover while the device is operating.
5. Do not expose the nebulizer to a heat source.
6. Do not pour more than 8 ml. of solution into the medication cup.
7. Do not leave drug solution in the medication cup when the device is not being used.
8. Do not scrape or pierce the medication cup cover.
9. Do not touch the medication cup or the drug solution while the device is being used.
10. Do not dip the nebulizer in water.
11. Children should only use the device under adult supervision.
12. To avoid infections and contagion the accessories should not be shared by different patients. They are intended for personal use.
13. Use the unit intermittently. Maximum operating period: 30 minutes.  
Rest period: 30 minutes.
14. Graham-Field warrants the quality of the liquid contained in the Closed Water Chamber for a period of 3 years. This solution can be changed easily by the authorized dealer.
15. This device can only be repaired by the local dealer's authorized service agents.

## Spare Parts Description

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OPTIONAL:  
Car lighter  
adapter



Nasal piece

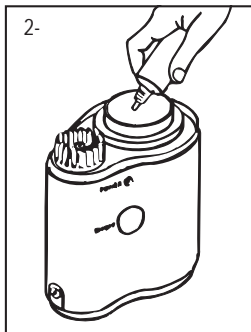
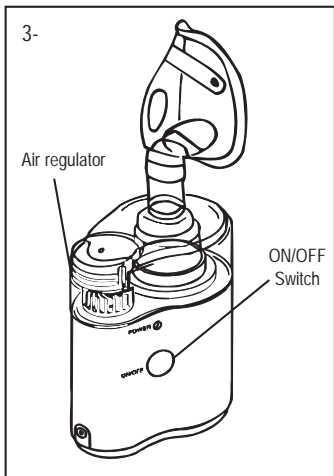


Mouth piece

## Use Instructions

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1. Take the unit and the AC adapter out of the box
2. Remove the clear housing and pour the medication into the medication container (8 ml. Max.)



3. Add the clear housing and adapter and insert the device to be used into it (adult mask, pediatric mask, and nasal or mouth piece).

**CAUTION:** carefully check the membrane at the bottom of the medication cup before each use. If it is pierced or broken do not use the nebulizer and contact the authorized Service Agent.

4. Attach the unit to the power connector.
5. Press ON switch. The green light will turn on and the unit will start to operate. Adjust the air regulator to the desired intensity.
6. The unit will automatically turn off at 3 minutes. If you wish to continue nebulizing, check if the medication amount in the pool is sufficient. Add more if necessary. Then press the ON/OFF switch twice and the unit will start to operate again.
7. Once use is over, unplug the equipment and disconnect the AC adapter. Remove the clear housing and clean using a clean cloth.

## **Cleaning and Maintenance**

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### **Important:**

Clean the accessories before using the nebulizer for the first time or after each use following these instructions: wash all the pieces, except for the air filter, with warm water and detergent. Rinse with warm tap water to remove the detergent.

Dip the pieces into a clean bowl containing 3 parts warm water and 1 part vinegar, let soak for 30 minutes. Disinfectant can also be used.

Wash your hands and remove the pieces from the cleaning solution. Rinse them with warm tap water and let them air dry. Keep the pieces into a tightly sealed bag. Do not dry them with a towel. Clean the outer surface with a dry piece of cloth.

**WARNING:** In order to avoid infections, it is highly recommended to clean the pieces after each use. Only nebulize solutions prescribed by a doctor and follow the doctor's instructions carefully. Do not use balm substances

### **Air Filter Change:**

1. The air filter must to be replaced if it turns dirty or torn.
2. Remove the air chamber from the medication cup cover.
3. Take out the filter and place a new one.
4. Put all the pieces back .

### Accessories Provided

1 Pediatric mask, 1 Adult mask, 1 Adapter, 1 Nasal piece, 2 Air Filters, 1 Mouth piece, 1 AC Adapter, 1 Instruction Manual and Warranty

### Optional Accessories

1 Car lighter adapter, 1 portable battery pack

### Trouble Shooting Chart

If something wrong happens while the device is working, please check and correct the following points:

Symptom	Possible cause	Suggested solutions
Although the device is on, it does not work	1-Incorrectly connected to power source 2-No power 3-The AC Adapter is not connected	1-Check the plug is properly connected 2-Check that power is on 3-Check the AC Adapter is properly connected
The mist does not come out	There is no solution in the cup	Pour some drug solution into the medication cup
Little mist is delivered	1-The air filter is dirty 2-There is not enough solution in the cup 3-Little power 4-Air excess	1-Change the filter 2-Pour drug solution into the medication cup 3-Increase the power 4-Regulate the air flow
The device operates for a period and then turns off	Timer off	Press the key twice and turn it on again

## Technical Specifications

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Method of nebulization	Ultrasonic vibration
Operating voltage	110V~ 120V~ 220V~ 230V~ 240V~ 50Hz 60Hz
Class	Class II
Power	18 W
Oscillation frequency	2.5 Mhz
Nebulization rate	0.5 ml./ min.
Particle dimension	1.5 - 5.7 (MMAD 3,8 micrones)
Medication cup maximum capacity	.8 ml.
Weight	.057 lbs / 260 g
Device dimensions	.3.2" x 6.6" x 2.3" 83.5 x 169 x 60 mm
Operating temperature and humidity	.41°F to 104°F, 30% to 95% RH 5° to 40° C, 30% to 95% RH
Storage temperature and humidity	.33.8°F to 104°F, 10% to 95% RH 1° to 40° C, 10% to 95% RH
Atmospheric pressure range for transport and storage	.500-1060 mb

\*The Closed Water Chamber contains a solution of Benzalkonium Chloride at 0,01%.

\*The specifications and the outer design are subject to change for improvement reasons without previous notice.



### **3 Year Limited Warranty**

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Graham-Field warrants to the original retail purchaser that this product is free from defects in material and workmanship for a period of 3 years from the date of purchase. This warranty does not cover failures resulting from misuse, abuse, alteration of the John Bunn Nebulizer System, use of improper components or failure to comply with the operating instructions. This warranty does not include the Nebulizer System tubing or accessories.

All requests for warranty service should include the model number of your John Bunn Nebulizer System, proof of purchase (including date of purchase), your phone number and the nature of your service request. Graham-Field will either repair or at its option replace free of charge any parts necessary to correct defects in material or workmanship covered by this limited warranty.

THIS LIMITED WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, WHETHER ORAL, WRITTEN, EXPRESS OR IMPLIED. THERE ARE NO WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, EXCEPT FOR THOSE IMPLIED WARRANTIES ARISING BY OPERATION OF LAW WHICH ARE LIMITED IN DURATION TO THE 1 YEAR TERM OF THIS WARRANTY. GRAHAM-FIELD'S LIABILITY, WHETHER BASED ON CONTRACT, TORT, WARRANTY, STRICT LIABILITY, OR ANY OTHER THEORY, SHALL NOT EXCEED THE PRICE OF THE INDIVIDUAL JOHN BUNN NEBULIZER SYSTEM WHICH IS THE BASIS OF THE CLAIM. IN NO EVENT SHALL GRAHAM-FIELD BE LIABLE FOR ANY LOSS OF PROFITS, FACILITIES, EQUIPMENT OR OTHER INCIDENTAL, CONSEQUENTIAL OR SPECIAL DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts, or allow the exclusion or limitation of incidental, consequential, or special damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights. You may also have other rights which vary from state to state

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