

USER MANUAL



reddot award 2014
winner

Nosiboo babycare nasal aspirator



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Package contents

* Colibri head * Power cord * User manual * Device * Tube * Spare removable end piece

Foreword

Dear customer,

We would like to congratulate you on buying our Red Dot Design Awarded Nosiboo babycare nasal aspirator!

Please read this user manual carefully so that you'll be able to use the nasal aspirator for years and can prevent illnesses for a long time.



Please read the user manual carefully before using the device!

EN

Warning and safety signs

You may see the following signs in the user manual or on the label of the device:

Explanation



* Type BF applied parts (increased protection against electric shock)



* Class II device (double insulation)



* Name and address of the manufacturer



* Read the user manual!



* Warning!

REF * Reference (order number)

SN * Serial number



* Keep dry!

IP21 * Protected against solid objects over 12.5 mm and vertically falling drops of water.

on 1 min / off 50 min * Intermittent operation

Important safety regulations



Warning:

If possible hazardous situations below are not avoided, user injury or even a fatal accident may occur.

Safety regulations regarding general use

- * The device can be used exclusively for removing the nasal mucus from a child's nose. It cannot be used for any other purpose!
- * It is **FORBIDDEN** to use the device in the bathroom or any other humid or wet environment!
- * Stop using the device if liquid or solid has been drawn into the housing. Contact a qualified service centre.
- * The device can only be used by adults.
- * While in use, the device should be in a stable position, standing on a level surface.
- * Do not lay the child on their back and do not block the free nasal opening while using the device!
- * Do not leave the device unattended near children or people with reduced physical or mental abilities!
- * Do not leave the device unattended near large pets (dog, cat) that can knock it over!
- * The power cord can easily wind round the child's neck!
- * The device cannot be used in oxygen-rich environments!
- * To prevent overuse, the device automatically turns off after 1.5-2 minutes. After the force shutdown, suction can be restarted (3-15 times depending on the suction power). The electronics will prevent the device from turning on for appr. 50 minutes. For more information please read Chapter 4 of the User Manual.
- * Make sure that all units are appropriately attached before using the device!
- * Double-check if you have inserted the collared tube into the Colibri head after cleaning.
- * Do not use the Colibri head and the device without the collared tube.
- * Do not use more than 5 ml saline solution because if the solution gets into the tube, it can cause damage to the device.
- * The connection point of the Colibri head should point downwards while in use.
- * Stop using the device if mucus or saline solution has been drawn into the tube, disconnect it from the mains, then empty the Colibri head, clean and dry the Colibri head and the tube, check the filter and replace it if it is wet or clogged.
- * Make sure that the housing, the tube and the Colibri head are not damaged or cracked! Do not use the device if you see that it is damaged! Replace the damaged part! (List of spare parts can be found in section "Accessories, spare parts".)
- * If rashes or redness appear on the nose of the child after using the device, do not use the device again! Consult a physician.
- * Use the device exclusively with the tube and Colibri head supplied by the manufacturer!
- * Do not attach the Colibri head to any other devices.

Safety regulations about connecting the device to the mains

- * Protect the power cord against damage! Do not break it, do not place heavy items on it because a damaged cord may cause electric shock.
- * Keep the power cord away from heat (e.g. furnace, heater and convector) because it can cause damage to the isolation.
- * Use the device only if the tube is dry.
- * Do not remove the mounting screws of the housing. Do not reconstruct the device for other purposes.
- * The use of the device is forbidden if there is a breakage or crack on the housing or on the power cord due to misuse.
- * In case of unexpected failure or malfunction, immediately switch off the device and interrupt the power supply by unplugging it from the mains.

Safety regulations regarding the next use of the device

- * Always disinfect the Colibri head after use!
- * Do not leave the parts of the dismantled Colibri head within reach of children because they may swallow these.

General precautions

- * Read and follow the instructions of the "Important information to reduce electromagnetic interferences" section!
- * Read and follow the instructions of the "Environment" section if you would like to dispose of the device or any part of it.

1. Intended use

The Nosiboo babycare nasal aspirator was designed to remove the nasal mucus from the child's nose.

The vacuum and airflow needed for the aspiration is created by an aspirating device designed specifically for this purpose. The Colibri head, which is inserted into the nose, is connected to this device via a tube. The Colibri head has a patented design that prevents the mucus from entering the device.

Intended purpose:

- * to ensure nasal breathing to infants
- * to prevent the complications of childhood common cold and to accelerate the healing process by aspirating the nasal mucus
- * to relieve childhood allergy-like symptoms by removing the nasal mucus.

Patients to be treated:

- * children who are (typically under the age of 6) unable to remove the nasal mucus by blowing their noses.

Illness, condition requiring treatment (indication):

- * to eliminate clogging of the nose
- * treatment of common cold and auxiliary treatment of superinfected paranasal sinuses
- * supplementary treatment of the allergic infectious condition.

Conditions in which the device cannot be used (contraindication):

- * haemophilia
- * if the blood vessels of the nasal septum's mucous membrane widen – in case of frequent nosebleed
- * while taking blood-thinning medicines
- * in case of congenital malformations (e.g. cleft palate).

Suggested user:

- * Age: adult over 18
- * Sex: not applicable (man or woman)
- * Knowledge: should have general knowledge according to their age
- * Education: min. primary school education, no need for special knowledge to use the device.
- * Important: knowledge of the User manual included in the package.

2. Product introduction

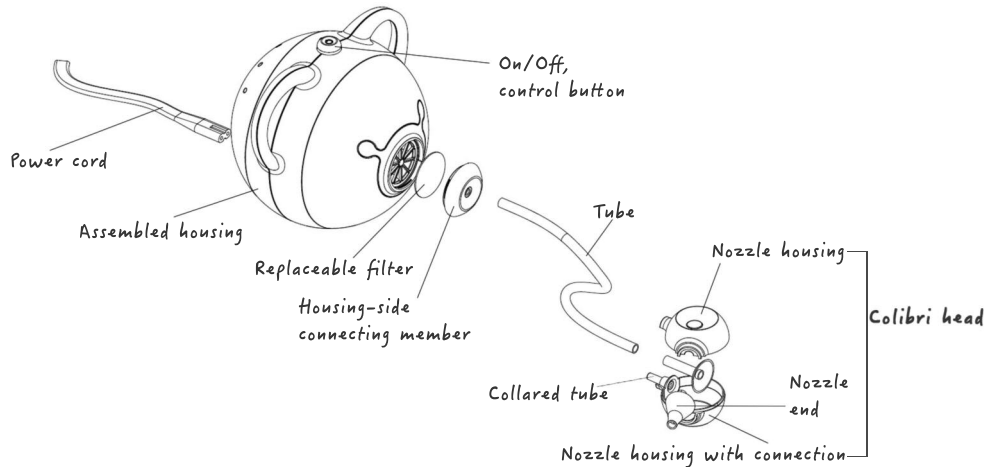


Figure 1 – Nosiboo babycare nasal aspirator

3. First-time operation

Assembling the Colibri head

1. Clean the parts of the Colibri head (see sections "Cleaning" and "Maintenance and storage").
2. Insert the collared tube into the nozzle housing that is supplied with a connection.
3. Place the nozzle member that has no connection in the right position.
4. Push the flexible nozzle end on the joint collar.
5. Attach one end of the tube to the Colibri head.

Attaching the device

6. Attach the free end of the tube to the device housing.
7. Attach one end of the 230 V mains cord to the plug on the lower part of the device housing, then the other end to the socket.

The device is ready for use.

4. Instructions for use

Before use, the device should be placed in such a way that the plug of the power cord can be easily pulled out from the socket! You can turn the device on or off by pushing and control the intensity of the suction by turning the button on top of the housing. Adjustability guarantees that after selecting the appropriate suction power, the parent cannot cause any secondary deformation in the nose. Before turning on the device, find the right airflow rate fit for your child's age based on the figure below.

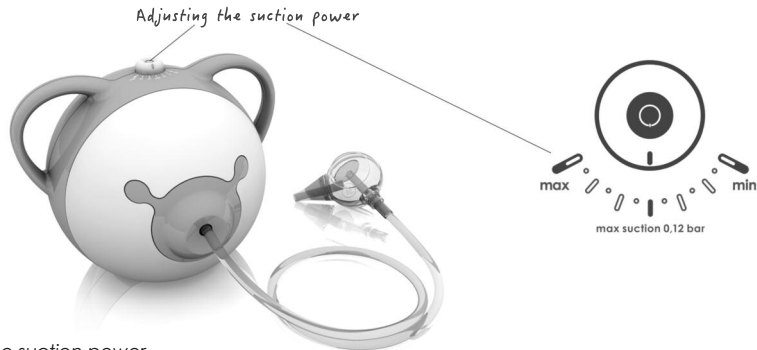


Figure 2 – Adjusting the suction power

The minimum value of the scale is suitable for newborns, the middle value for babies and the maximum value for small children and for preschoolers. The effectiveness of the device is highly influenced by the thickness of the mucus, the extent of the disease and the unique anatomy of the child. If the mucus is thin, you can use the device at a lower setting, if it is thick, you can use the device at a higher setting than usually.

The device can be operated exclusively by adults. Do not give the device ready for use to the child!

Hold the child in a stable position while using the device. Sit your child onto your lap and hold them or sit them into a straight position supporting their back with a pillow. You may also sit them into a resting chair with a filled back.



Do not lay your child on their back and do not block the free nasal opening!

Insert the previously disinfected Colibri head into the child's nose, and then turn on the device by pushing the control button (the device operates at the setting used last time).

Correct positioning of the Colibri head:

Push the tip of the Colibri head into the nose. The tip should point slightly downwards and outwards towards the eyeball. In this position, you can gently move the Colibri head. With this method you can reach the opening leading to the maxillary sinus and you will not hurt the mucous membrane of the nasal concha or the capillaries of the nasal septum.

The connection of the flexible tube should point downwards while in use.

The patented desing of the Colibri head can hold up to 5 ml thin liquid and prevents the mucus from entering the flexible tube.

Dry and very thick mucus can be dissolved by saline solutions. Do not use more than 5 ml of these at a time because if liquid gets into the tube it can damage the device!

After using the solution, wait a few minutes, remove the mucus running out with a tissue. Only after this should the nasal aspirator be used.



Figure 3 – Correct positioning of the Colibri head

Nose-drops and other preparations suggested by physicians should be used after the aspiration!

The suggested length of the aspiration is 10 seconds/nasal opening but the device should not be used longer than 80 seconds at a time. In case of overuse, the device will automatically switch off due to security reasons and can be switched on only after a given time.

In case you have to interrupt the operation, you should switch off the device. After the engine stops working, you can restart the one-minute treatment period. If the device is working for more than 1 minute and 20 seconds, the suction power will go down on 45 % to indicate that the suggested treatment time is over. In this case it can be restarted again after turning it off depending on the previously used suction power, for limited times.



Do not leave the device plugged in after use!

Some examples regarding the restarts depending on the settings*

Max. rate

In this case after the 1 minute and 20 seconds long treatment time the device can be restarted 2 times.

Med. rate

In this case after the 1 minute and 20 seconds long treatment time the device can be restarted 5 times.

Min. rate

In this case after the 1 minute and 20 seconds long treatment time the device can be restarted 10-14 times.

* Depending on the density of the mucus

The Nosiboo babycare nasal aspirator can be used several times a day. It is recommended to clear the airways before sleeping time and feeding to ensure the peaceful breathing of the child.

Do not cause pain to the child; introduce the device and the method in a tolerant way.

Always switch off the device after use with the control button.

The motor will operate for while to cool down after you have switched off the device.

Do not unplug the device from the mains until it completely shuts down!

Do not cover the ventages on the back of the device while in use!

Recommended power range:

- * *0,04 – 0,12 bar (140 – 215 W). Use the lower values of the range in case of infants and the upper values in case of 4-year-old or older children.*
- * *The suction power is highly influenced by the thickness of the mucus and the extent of illness.*

5. Troubleshooting malfunctions

If you suspect malfunctioning of the Nosiboo device, please read the next two chapters. As the first step, the *Troubleshooting guide* provides suggestions for resolving concrete problems. In the chart, you can find the problems and the troubleshooting suggestions. If these suggestions do not solve the problem, the *Malfunction management guide* helps you/your merchant/distributor in localizing the malfunction as soon as possible and in assessing the possibility of the replacement guarantee. Please study these chapters in detail in case of a malfunction.

Troubleshooting guide

Malfunction	Reason	Recommendation
The device cannot be switched on.	The plug is not connected.	Connect the power cord to the device then to the 230 V socket.
The device cannot be switched on.	The device switched off due to overuse for security reasons.	For the sake of your child's health, stop using the nasal aspirator. The device can be used again in appr. 50 minutes.
The suction intensity decreased.	The Colibri head got blocked or was incorrectly assembled.	Take it apart and clean the it, finally assemble it based on the user manual.
The suction intensity decreased.	The filter wore out.	Replace the filter based on the user manual's "Maintenance and storage" section.
Liquid or mucus got into the tube.	The Colibri head was not held in the correct position. The connection point of the tube did not point downwards.	Switch off the device and clean and dry the Colibri head and the tube. Check the filter and replace it if necessary.
Liquid or mucus got into the tube.	Too much saline solution was used.	Reduce the volume of the saline solution to less than 5 ml. Switch off the device and clean it, then dry the Colibri head and the tube. Check the filter and replace it if necessary.

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If the device does not work properly in spite of performing the instructions of the troubleshooting guide, check the *Malfunction management guide* with the distributor/merchant.

Malfunction management guide

The guarantee is valid for 12 months after the purchase date. It will be only validated if the device was used according to its intended purpose and does not bear signs of damage. In the next step the existence of malfunctioning has to be cleared. And if the malfunction occurred due to the users own fault or if it was no fault of theirs. The manufacturer provides 12 months replacement warranty in case of use according to the intended purpose. The following checks can be conducted by any user at home or with the distributing merchant or their trustee after presenting the warranty card and the receipt. The distributor or the legal entity charged with failure assessment is obliged to fill in the warranty card supplied with the User manual or provide their own warranty document, record the steps of troubleshooting in detail and forward it to the manufacturer within 24 hours.

Troubleshooting

Detailed description

Warranty tasks

Visual inspection

The entireness of the label on the bottom of the device.

Signs of damage on the label indicate opening of the device housing.

Due to misuse of the device, the replacement warranty is not valid.

Other signs of damage on the housing, scratches, bumps, bruises, strains, scratches around the screws.

Signs of damage on the device housing indicate opening of the device housing.

Due to misuse of the device, the replacement warranty is not valid.

Traces of contamination on or around the filter. Damage of the opening behind the filter, grit in the device or traces indicating that grit has been drawn into the device.

The excessive contamination of the filter, dirt getting into the device indicate the misuse of the device.

Due to misuse of the device, the replacement warranty is not valid.

Any kind of contamination of the tube

Contamination getting into the tube indicates misuse of the device.

Due to misuse of the device, the replacement warranty is not valid.

Manual inspection

Before operating the device, check the connection of the power cord on the device.

If the connection (not the power cord) on the device caved in, can be moved, can be removed, turning on and operating the device is life-threatening! Such malfunctions are due to external impact and are not covered by the warranty.

Due to misuse of the device, the replacement warranty is not valid.

Any kind of failure on the control button.

If the control button on top of the device is damaged, is jammed, moves freely or fell off, the malfunction is due to external impact and is not covered by the warranty. Turning on and operating the device is life-threatening!

Due to misuse of the device, the replacement warranty is not valid.

Powering up/turning on

Powering up the device happens with the power cord supplied with the device.

If the device does not start to operate under these conditions, the replacement of the power cord (non-warranty) is suggested. Such malfunctions are due to external impacts and are not covered by the warranty.

Due to misuse of the device, the replacement warranty is not valid.

Powering up the device is possible but after turning on the device irregularity occurs.

If you experience "unusual" phenomena while operating the device, e.g. low suction power, smoke emission, strong smell, the device buzzes or clacks unusually loud, it shakes, is shorted, cannot be adjusted via the control button and does not turn off after 1.5 minutes.

If you experience "unusual" phenomena while operating the device and the device does not bear traces of physical damage included in the first two points, the customer's device is eligible for the replacement warranty. The replacement happens at the distributor and the costs are to be borne by the manufacturer.

Warranty tasks

The distributor of the Nosiboo device is obliged to promptly handle customer complaints based on the aspects included in the chapters *Troubleshooting guide* and *Malfunction management guide* of the *User manual*. In case of the existence of the warranty conditions, the device has to be replaced immediately. The distributor of the device is obliged to keep a written record about the troubleshooting. This can be done within the framework of the distributor's internal documentations or in the warranty card supplied with the *User manual*. It has to contain the detected malfunction, the date and the unique serial number to be found on the label on the bottom of the device.

Specialist service station contact details

Attract Kft.
H-7624 Pécs, Barbakán tér 5 - Hungary
Tel.: +36 72 551 642 (Mo-Fr: 8 am – 4 pm)
E-mail: service@nosiboo.com

6. Maintenance and storage

Only after the cooling process has stopped should the power cord be unplugged from the mains and from the device! Disconnect the tube from the device and the Colibri head. There is a special filter behind the housing-side connection. Replacement of the filter element may be due after 300 treatments or after 1 year in case of intensive use. In case of rarer use, if the filter element is not contaminated, it can be used for a longer time. Order number of the filter is AC-04-01.

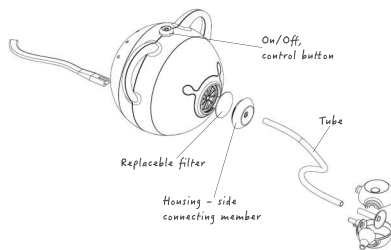


Figure 4 – Replacing the filter

In the event of an unexpected drop in the performance, it is recommended to check the filter before the end of the cycle.

Clean the housing with a dry, soft cloth; do not use any detergents or chemicals!

Keep the device in a closed space where it is protected from dust and damage (e.g. in a cabinet).

If you have more children, we recommended to use a separate Colibri head for each child and to store the Colibri heads separated.

Do not store near a heat source!

7. Cleaning

Cleaning the Colibri head is easy. After removing the tube and the flexible tip, the head housing can be taken apart. Thereafter, wash it in lukewarm water, disinfect it in disinfectant and let it dry.

Recommended disinfectant: Chicco Disinfectant.

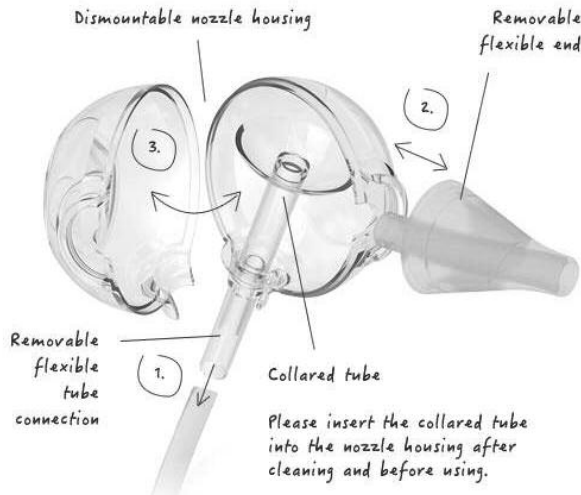


Figure 5 – Cleaning of the Colibri head

Before cleaning the device, detach the tube from the housing and the Colibri head. Wash it in lukewarm tap water, disinfect it in disinfectant, and then let it dry.

Recommended disinfectant:
Chicco Disinfectant

If the parts are dry, store the device in a place that is protected from contamination, so that you can immediately use it next time.

Clean the device housing with a dry and soft cloth; do not use any detergents or chemicals.

8. Important information about reducing electromagnetic interferences

The home wireless network equipment, mobile phones and wireless phones may affect the operation of medical equipment, as electromagnetic interference can occur between devices. Electromagnetic interference may cause harmful interference in the operation of medical devices and therefore emergency situations may occur.

Due to the above mentioned reasons, medical devices mustn't interfere with any other equipment.

To guarantee the electromagnetic compatibility, the necessary requirements were fixed in standards. The standards define the protection level of the medical device and the maximum value of the electromagnetic radiation emitted by these.

The Nosiboo babycare nasal aspirator complies with the requirements of EN 60601-1-2:2007. In spite of that, you should follow the instructions below while using the device:

- * Do not use your cell phone or wireless phone or any other device emitting strong electromagnetic radiation near the device! Otherwise, the device may malfunction which can cause an emergency
- * It is recommended to keep at least 5 m distance between the devices! Check the proper operation of the device if this distance is shorter!

9. Environment

Do not dispose of the device at the end of the product life with household waste because electronic products are regarded as hazardous waste. This is indicated by the following sign on the product packaging:



The Colibri head does not present a serious risk to the environment so it can be disposed of as household waste.

EN

10. Specifications

Max. motor performance: 300 W
Adjustable motor performance: 140–215 W
Differential pressure: 0.04-0.12 bar
Max. air flow: 54 l/min
Power supply: 230 V 50/60 Hz
IP class: IP21
Protection class: II
Type of applied parts: BF
Applied parts: the complete housing
Operation type: no continuous operation
Operation length: on 1 min / appr. off 50 min
Duration of continuous use: max. 80 sec

Tripping temperature of the thermal switch: 95 °C
Average housing temperature: 30-35 °C after 1 min continuous use
Noise level: 55–62 dB
Temperature range: -10 °C... +40 °C
Relative humidity: max. 75%
The expected life of the housing (electrical parts): 3 years
Expected life of the Nosiboo Colibri head: 3 months
Diameter of the nasal insertion end of the Colibri head: min. 5.6 mm
Length of the nasal insertion end of the Colibri head: min. 32 mm
Weight (housing): 972 g
Dimensions (housing, W x H x D): 200 x 155 x 175 mm
Dimensions (complete package): 180 x 180 x 180 mm

11. Accessories, spare parts

Parts can be ordered from the Specialist service station:
Attract Kft.
H-7624 Pécs, Barbakán tér 5 - Hungary
Tel.: +36 72 551 642 (Mo-Fr: 8 am – 4 pm)
E-mail: service@nosiboo.com

Photo

Reference (order number)

Name



AC-05-01 * blue
AC-05-02 * pink
AC-05-03 * green

Colibri head



AC-03-01 * blue
AC-03-02 * pink
AC-03-03 * green

Tube



AC-04-01

Filter



AC-01-01

Power cord EU



AC-02-01

Power cord UK



CO-01-01 * blue
CO-01-02 * pink
CO-01-03 * green

Colibri head + tube

International warranty card

The guarantee is valid for 12 months after the purchase date. It will be only validated if the device was used according to its intended purpose and does not bear signs of damage. Warranty is validated at the authorised distributor of the device. (The authentic distributor invoice has to be presented.) The distributor of the Nosiboo device is obliged to promptly handle customer complaints based on the aspects included in chapters Troubleshooting guide and Malfunction management guide of the User manual. In case of the existence of the warranty conditions, the device has to be replaced immediately. The distributor of the device is obliged to keep a written record about the troubleshooting. This can be done within the framework of the distributor's internal documentation or in the warranty card supplied with the User manual. It has to contain the perceived malfunction, the date and the unique serial number to be found on the label on the bottom of the device.

To be completed by the distributor

Name and address of distributor:

Serial number of the Nosiboo nasal aspirator:
(to be found on the bottom of the device, on the label)

Purchase date:

Type of malfunction:

Date of malfunction:

Countersignature of distributor:
(date, signature and seal)

EN

To be completed by the distributor

Name and address of distributor:

Serial number of the Nosiboo nasal aspirator:
(to be found on the bottom of the device, on the label)

Purchase date:

Type of malfunction:

Date of malfunction:

Countersignature of distributor:
(date, signature and seal)

The expressed warranty does not affect the consumer's implied warranty rights!

Manufacturer and specialist service station:

Attract Kft.

Hungary, H-7624 Pécs, Barbakán tér 5

Tel: +36 72 551 642 (Mo-Fr: 8 am – 4 pm)

E-mail: service@nosiboo.com