

AGU[®] ADVANCED
GROWING
UP



Daisy

ASPIRATOR

NASAL

AGU NS15



EN USER MANUAL

agu-baby.com

TABLE OF CONTENTS

1	Introduction	3
2	List of symbols	3
3	Important information before use.....	5
4	Product overview.....	7
5	Battery installation/replacement.....	8
6	Instruction for use	9
7	Care and maintenance	11
8	Troubleshooting	14
9	Technical specification	14
10	Technical data	15
11	Storage, transportation and operation rules.....	19
12	Disposal.....	19
13	Manufacturer's warranty.....	19

1 INTRODUCTION

Nasal aspirator **AGU NS15** is specially designed to clear mucus in newborn babies and infants in home environment and/or while travelling. Nasal aspirator **AGU NS15** is a medical device.

How to use

Insert aspiration tip into a nostril, after that the device is ready to remove nasal secretions.

Safety

The soft aspiration tip prevents the possibility for injury during operation.

Compact & easy design

This device is compact and easy to hold and operate.

Washable parts

Tips and mucus cup are removable and easy to clean (the mucus cup can be disinfected with boiling water).

Light weight, low noise

The child calmly responds to the procedure of cleansing the nose.

Battery

This device uses two 1.5 V AA batteries; it is convenient to replace the batteries anytime, anywhere.



Please read this user's manual to the end before you start using the nasal aspirator **AGU NS15**.

2 LIST OF SYMBOLS

Symbols Meaning



Warning/Note.



The device complies with European Medical Device Directive 93/42/EEC.



WEEE (EC Directive on Waste Electrical and Electronic Equipment).

This marking means that the device should not be disposed of together with household waste. In order to prevent a possible damage to the environment and harm to human health, such waste should be segregated from other types of waste and disposed of in accordance with the relevant accepted standards.



Please read the instruction manual.



Device classification type BF.



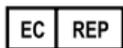
Manufacturer.

IP22

Ingress protection rating.

Leading digit (protection against ingress of solid foreign objects): 2 – protection against ingress of solid objects more than 12 mm in size; fingers or other objects with a maximum length of 80 mm, or solid objects.

Second digit (protection against ingress of foreign liquids): 2 – protection against vertically falling water drops and objects when enclosure tilted up to 15° (normally positioned equipment).



Manufacturer's authorized representative in the European Union.

3

IMPORTANT INFORMATION BEFORE USE

The device is designed to remove nasal secretion and mucus in children (age 0~3 years old) in at-home environment.

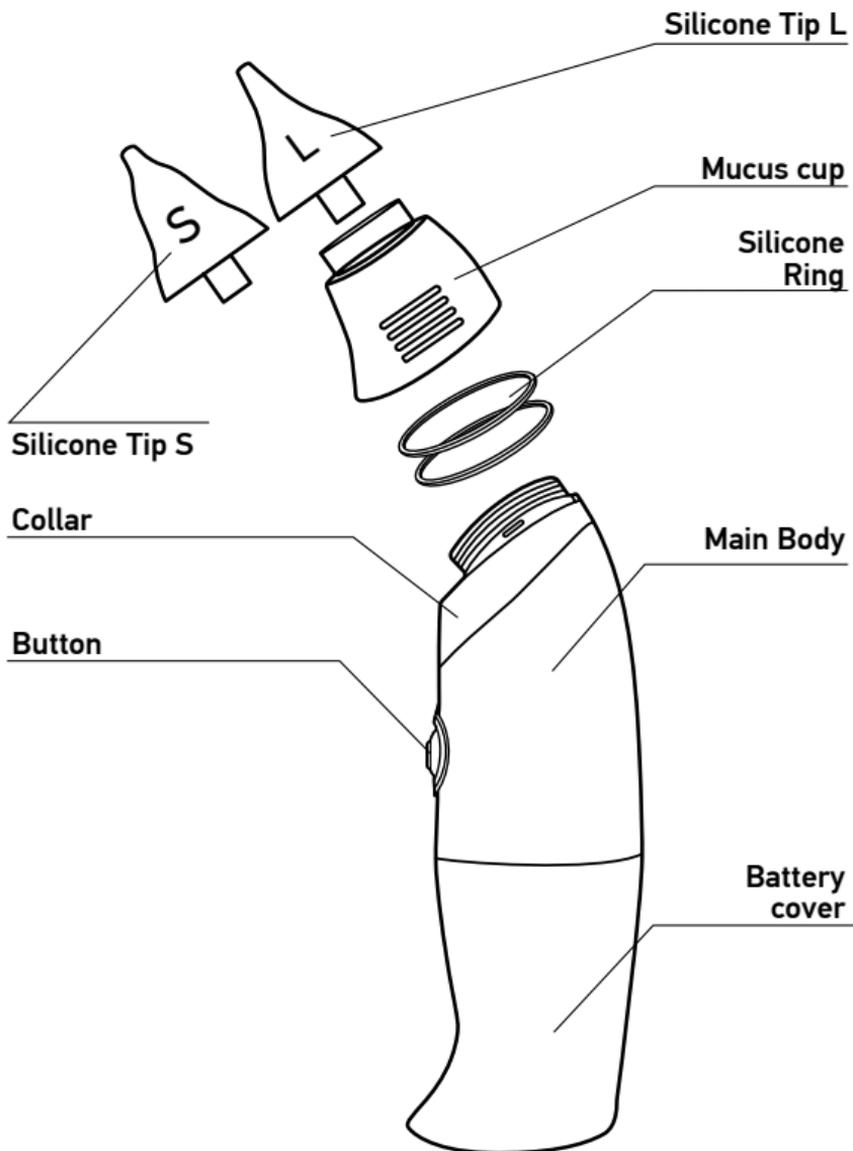
1. **WARNING!** Do not modify this device in any way without authorization of the manufacturer.
2. Do not expose the device to high / low temperature, very high humidity level. Avoid exposing the device to direct sunlight.
3. Avoid extreme stress, shock or accidental dropping of the device.
4. Please replace all batteries when the power and/or the sound of the pump weakens during the use of the device.
5. It is recommended to remove the batteries if the device is not used for a long period of time.
6. To start the operation of the device, press and hold the on/off button for some time. If you need to stop suction, just release the button and the device will turn off.
7. The nasal aspirator is for cleaning / removing the nasal secretion only. Do not use this device other than the intended purposes.
8. During the use of the device, the babies should not hold their breath, close their mouth or swallow their saliva.
9. If the baby does not feel well when using the device, stop aspiration and consult a doctor immediately.
10. Do not apply excessive force when placing the aspiration tip into the nasal cavity.
11. This device is intended for use both at home and while traveling. Please consult your doctor before using the device in case of rhinitis and sinusitis and be aware of cleaning the aspiration tip before each use.

12. The intended operators for this device shall be parents or adults who can follow the instructions and notices in User's manual to operate the device. The device is not allowed to be used by children themselves. Keep the nasal aspirator stored away from the children. Do not let them operate the device themselves.
13. **DO NOT** use the nasal aspirator when children have the following contraindications:
 - nasal bleeding;
 - acute head, facial, or neck injury;
 - coagulopathy or bleeding disorder.
14. Before using the device, please read this user's manual carefully. Incorrect use of the device may cause the following hazards/complications:
 - mechanical trauma;
 - nasal bleeding;
 - damage of mucous membrane of the nose.
15. Please keep the replaceable tips out of the reach of children and pets cannot access to avoid risk of them to be swallowed.
16. The Tip may cause potential allergic reactions.

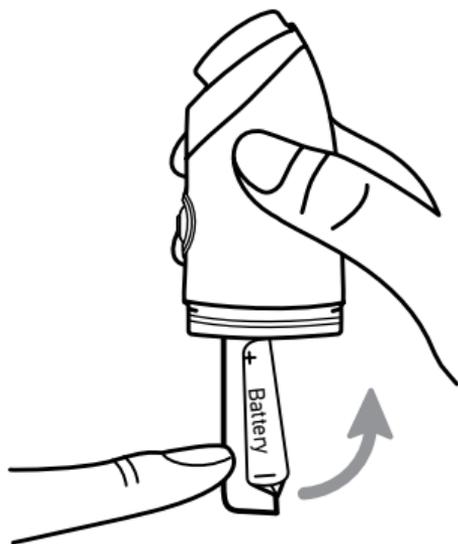
 This nasal aspirator must only be used with AGU NS series tip. Please contact shops and pharmacies to buy those accessories.

4

PRODUCT OVERVIEW



5 BATTERY INSTALLATION/REPLACEMENT



1. Gently slide the battery cover back.
2. Carefully remove the old batteries and properly dispose them.
3. Insert or replace batteries into the battery compartment, ensuring to match the indicated polarity symbols. Always use new batteries.
4. Replace the battery cover.

! NOTE

- Please do not expose the batteries to high temperatures and dispose them properly. Keep them out of children's reach.
- It is recommended to remove the batteries if the unit is not used for a long period of time.

 Batteries and electronic devices should be disposed of in accordance with local recycling regulations and never dispose of them in the normal household waste.

6 INSTRUCTION FOR USE

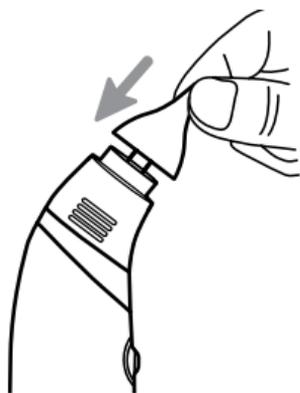
Silicone Tip L



Silicone Tip S



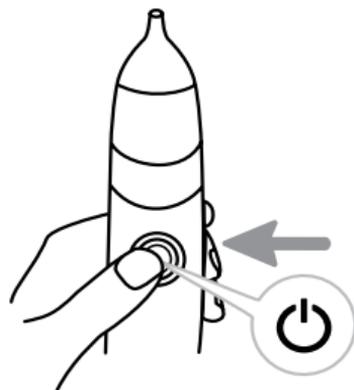
1. Choose the correct tip to use, according to shape and size of the nostrils of your baby.



2. Be sure to place the tip securely on the aspirator. Make sure the Tip is completely covering the rib before using.



Check the tip before each use. If you notice any signs of wear or damage, change it immediately. The Tips belong to consumables, their service life depends on the frequency of use of the device. We recommend replacing Tips every six months of use.



3. Press and hold the Power button while the device is clearing the mucus.

4. Keep your baby upright and insert the tip into one of nostril. Avoid excessive pressure on the wings of the nose and deep placement of tips into the nasal cavity. Keep the aspirator vertically, slightly deflecting a child to the side. The nasal aspirator removes mucus without additional real external impact on the device. Now delete mucus from another nostril. If it is necessary the procedure can be repeated.

The mucus may not immediately appear in the mucus cup. After each use it is recommended to do a quick cleaning of the tip by removing the tip from the aspirator.

5. Release power button to stop the suction.

⚠ ATTENTION

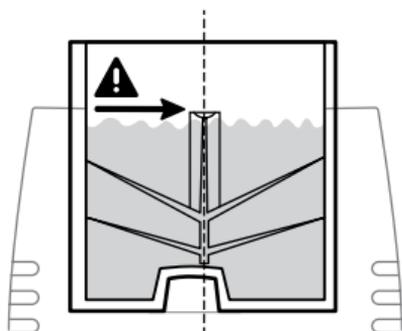
- The time of continuous operation of the device should not exceed 20 seconds.

⚠ ATTENTION

In order to prevent getting liquid inside the main unit of the device and its failure:

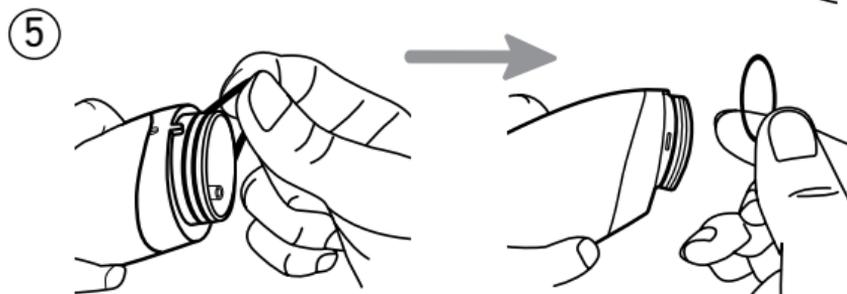
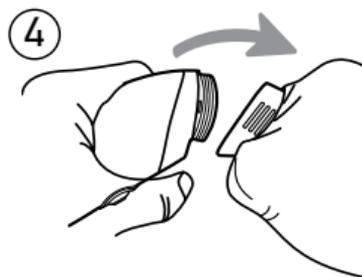
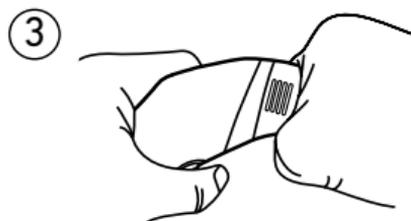
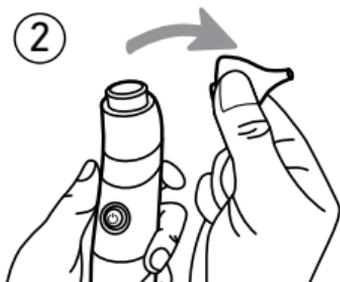
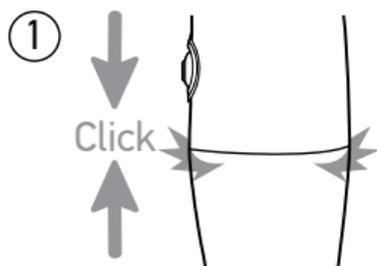
- please do not exceed the maximum mucus volume in mucus cup. In case of filling the mucus cup, clean it for continued use;
- after completion of the aspiration procedure, immediately disconnect the head unit with the storage tank from the main unit;
- hold the device upright until removed mucus cup.

If the device is used correctly, liquid will not get into the main unit. Please follow the recommendations above. Remember, getting liquid inside the device will lead to loss of warranty.



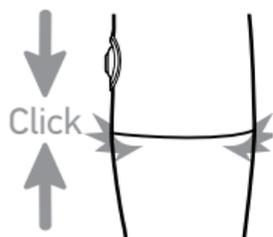
7 CARE AND MAINTENANCE

1. Make sure that both parts of the device (main unit and battery cover) are tightly seated together.
2. With a gentle movement, disconnect the mucus cup with the tip from the aspirator body.
3. Remove the silicone gaskets.

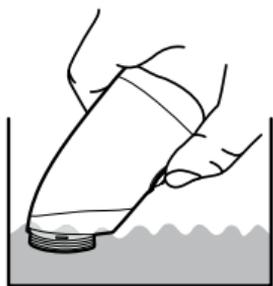


CLEANING PROCESS OF MUCUS CUP, HEAD MODULE AND ASPIRATION TIP

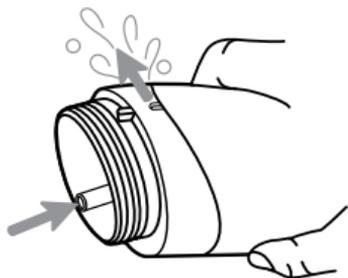
- !** Make sure that all parts of the device are tightly connected.



1. Immerse the device in clean water as shown and press the button (hold for no more than 15 seconds). Perform this procedure several times (change the water if necessary).

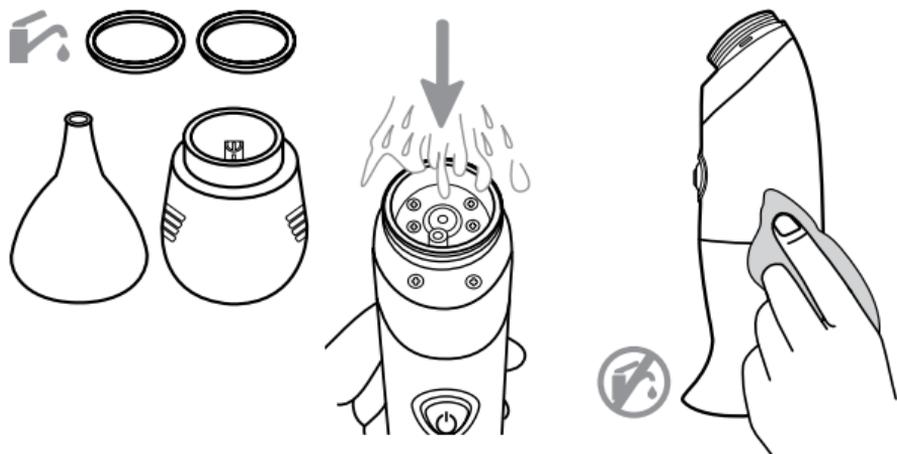


2. Take the device out of the water. Press and hold the power button until water stops flowing out of the outlet.



3. Wait until the device dries completely for 1-3 hours. Then collect it.

The mucus cup and tips must be washed in warm water using mild soap. Then the mucus cup and tips must be washed under hot tap water for 3 min. Upper part of the device may be rinsed with water - as indicated in the picture. After that all the details should be air dried.



- !** **DO NOT** wash this device with any kinds of strong soap or cleaner. Please just wash the mucus cup, head module, and tip with water and mild soap only.
- !** **DO NOT** expose the main body of device to high temperatures (more than 60 °C). The mucus cup and silicone tips can be disinfected with boiling water (120 sec. max.).

UNIT CLEANING

It is strongly recommended to wipe the unit with a clean soft dry cloth and keep the device clean.

- !** **DO NOT** wash the housing body of this device with water or any kind of liquids.

8 TROUBLESHOOTING

If any trouble occurs while using the device, please check the following list first.

Problem	Possible Cause	Solution
The suction is weak or there is no suction at all	Batteries are low or improperly installed	Check or replace batteries
	Lack of silicone ring in the place where the mucus cup is screwed in	Make sure there is a silicone ring in the place where the mucus cup is screwed in
	The mucus container is not inserted correctly	Make sure that the mucus cup is connected with the body of the aspirator tight (without gaps)

WARNING

- If the device does not work even after taking the above-mentioned actions, please contact the store where it was purchased or the nearest dealer.
- Never turn the device on if any part of it is broken or does no longer work properly.

9 TECHNICAL SPECIFICATION

Product	Nasal aspirator
Model	AGU NS15
Maximum discharge pressure	65 kpa
Sound pressure level	74 dB (30 cm away from the AGU NS15)
Aspiration tip	soft silicone
Motor	3V DC
Operational conditions	Temperature: 5°C ~ 40°C, Humidity: 15% ~ 93% (non-condensing)

Storage & Transportation Environment	Temperature: -10 °C ~ 50 °C, Humidity: ≤93% (non-condensing)
Power source	2 x 1.5 V AA alkaline batteries
Weight	158 g (without batteries)
Dimensions (L x W x H)	197 mm x 60 mm x 40 mm
Battery operation time	about 90 minutes (depends on the quality of batteries)
Typical service life	3 years
Completeness*	nasal aspirator, 1.5 V AA batteries (2 pieces) optional, silicone tips (S & L sizes), transparent mucus cup, user's manual with warranty coupon
Warranty period	2 years

***Notice:** the manufacturer has the right to introduce changes into the device design.

10 TECHNICAL DATA

Nasal aspirator **AGU NS15** conforms to the provisions of the EC directive MDD (93/42/EEC).

GUIDANCE AND MANUFACTURER'S DECLARATION ELECTROMAGNETIC EMISSIONS

The Nasal aspirator **AGU NS15** is intended for use in the electromagnetic environment specified below. The customer or the user of the nasal aspirator **AGU NS15** should assure that it is used in such an environment.

Emission test	Compliance	Electromagnetic environment guidance
RF emissions CISPR 11	Group 1	The nasal aspirator AGU NS15 uses RF energy only for its internal function. Therefore, its RF emissions are very low and are not likely to cause any interference in nearby electronic equipment

RF emissions CISPR 11	Class B	The nasal aspirator AGU NS15 is suitable for use in all establishments, including domestic establishments and those directly connected to the public low-voltage power supply network that supplies buildings used for domestic purposes
Harmonic emissions IEC 61000-3-2	Not applicable	
Voltage fluctuations/flicker emissions IEC 61000-3-3	Not applicable	

GUIDANCE AND MANUFACTURER'S DECLARATION ELECTROMAGNETIC IMMUNITY

The nasal aspirator **AGU NS15** is intended for use in the electromagnetic environment specified below.

The customer or the user of the nasal aspirator **AGU NS15** should assure that it is used in such an environment.

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment guidance
Electrostatic discharge (ESD) IEC 61000-4-2	+ 6 kV contact + 8 kV air	+ 6 kV contact + 8 kV air	Floors should be wood, concrete or ceramic tile. If floors are covered with synthetic material, the relative humidity should be at least 30%
Power frequency (50/60 Hz) magnetic field IEC 61000-4-8	3 A/m	3 A/m	Power frequency magnetic fields should be at levels characteristic of a typical location in a typical commercial or hospital environment

Immunity test	IEC 60601 test level	Compliance level	Electromagnetic environment–guidance
Radiated RF IEC 61000-4-3	3 V/m 80 MHz to 2,5 GHz	3 V/m	<p>Portable and mobile RF communications equipment should be used no closer to any part of the nasal aspirator AGU NS15, including cables, than the recommended separation distance calculated from the equation applicable to the frequency of the transmitter.</p> <p>Recommended separation distance $d = 1,2\sqrt{P}$ $d = 1,2\sqrt{P}$ 80 MHz to 800 MHz $d = 2,3\sqrt{P}$ 800 MHz to 2,5 GHz</p> <p>where P is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer and d is the recommended separation distance in metres (m).</p> <p>Field strengths from fixed RF transmitters, as determined by an electromagnetic site survey^a, should be less than the compliance level in each frequency range^b.</p> <p>Interference may occur in the vicinity of equipment marked with the following symbol:</p> 

NOTE 1: At 80 MHz and 800 MHz, the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

a. Field strengths from fixed transmitters, such as base stations for radio (cellular/cordless) telephones and land mobile radios, amateur radio, AM and FM radio broadcast and TV broadcast cannot be predicted theoretically with accuracy. To assess the electromagnetic environment due to fixed RF transmitters, an electromagnetic site survey should be considered. If the measured field strength in the location in which the nasal aspirator **AGU NS15** is used exceeds the applicable RF compliance level above, the nasal aspirator **AGU NS15** should be observed to verify normal operation. If abnormal performance is observed, additional measures may be necessary, such as reorienting or relocating the nasal aspirator **AGU NS15**.

b. Over the frequency range 150 kHz to 80 MHz, field strengths should be less than 3 V/m.

RECOMMENDED SEPARATION DISTANCES between portable and mobile RF communications equipment and the AGU NS15.

The nasal aspirator **AGU NS15** is intended for use in an electromagnetic environment in which radiated RF disturbances are controlled. The customer or the user of the nasal aspirator **AGU NS15** can help prevent electromagnetic interference by maintaining a minimum distance between portable and mobile RF communications equipment (transmitters) and the nasal aspirator **AGU NS15** as recommended below, according to the maximum output power of the communications equipment.

Rated maximum output power of transmitter, W	Separation distance according to frequency of transmitter (m)		
	150 kHz to 80 MHz $d = 1,2\sqrt{P}$	80 MHz to 800 MHz $d = 1,2\sqrt{P}$	800 MHz to 2,5 GHz $d = 2,3\sqrt{P}$
0,01	0,12	0,12	0,23
0,1	0,38	0,38	0,73
1	1,2	1,2	2,3
10	3,8	3,8	7,3
100	12	12	23

For transmitters rated at a maximum output power not listed above, the recommended separation distance d in metres (m) can be estimated using the equation applicable to the frequency of the transmitter, where p is the maximum output power rating of the transmitter in watts (W) according to the transmitter manufacturer.

NOTE 1: At 80 MHz and 800 MHz, the separation distance for the higher frequency range applies.

NOTE 2: These guidelines may not apply in all situations. Electromagnetic propagation is affected by absorption and reflection from structures, objects and people.

11

STORAGE, TRANSPORTATION AND OPERATION RULES

The device should be transported at a temperature of $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ with a maximum relative humidity of 93% or less.

The device can be operated at a temperature of $5^{\circ}\text{C} \sim 40^{\circ}\text{C}$ with a relative humidity of 15 ~ 93%.

Store the device at a temperature of $-10^{\circ}\text{C} \sim 50^{\circ}\text{C}$ with a maximum relative humidity of not more than 93%.

Do not subject the device to sudden temperature fluctuations.

After transport or storage at low temperatures, the device should be kept at room temperature for at least 2 hours before switching on.

12

DISPOSAL



The symbol on the device or on its packaging indicates that the product is not classified as household waste.

- With the proper disposal of the product, you will help to prevent possible negative effects of the device on the environment and human health.
- The device should not be disposed of with domestic (household) waste for the environment protection. The product should be disposed of in accordance with local regulations.
- The device should be disposed of in accordance with the Directive EU 2012/19/EU WEEE (Waste Electrical and Electronic Equipment) for waste electrical and electronic equipment.

If you have any questions, please contact the local utility responsible for waste disposal.

13

MANUFACTURER'S WARRANTY

The warranty for the main unit makes 24 months.

The warranty is valid subject to the availability of a warranty card filled out by a duly authorized representative confirming the date of sale and also of the relevant receipt.

The warranty does not cover the consumable parts, components and constituent elements, namely, battery, package.

The warranty and free maintenance service are not provided in case:

- the device is used with violation of the requirements set by the operation manual;
- damage is caused by consumer's willful or wrong actions as a result of improper or negligent use;
- traces of mechanical effect (dents, cracks, chips, etc.), tampering, dismantling, traces of repairs outside the authorized technical service center, traces of ingress of moisture into the case or effect of corrosives, or of any other outside interference with the device design are observed on the device case, and also in other cases of violation by the consumer of the rules of storage, cleaning, transportation and maintenance of the device stipulated by the operation manual;
- penetration of oil, dust, insects, liquids (not intended for the use with devices) and other foreign matters inside the device.

The warranty does not cover the defects (faults) of the device caused by the following reasons:

- normal wear and tear of component parts with a limited service life;
- damage caused to accessories not form an integral part of the device (protective cap, battery, tip/nozzle)
- force majeure circumstances (accident, fire, flood, electrical power failures, etc.).

WARNING

Strictly follow the instructions in order to ensure reliable and long-term operation of the device. Apply to the sales assistance in case the device does not work properly. For the repair and maintenance apply to a specialized service department. The manufacturer reserves a right to change the design of the device.

WARRANTY CERTIFICATE

AGU NS15

Serial number

Date of purchase

Name
of salesperson

Signature
of salesperson

The set completeness and operation of the device
are tested in the presence of the buyer.

Name
of purchaser

Signature
of purchaser

seal of retailer



ATTENTION!

This warranty is valid
only if the documents
are filled in properly.



months warranty

AGU NS15

1

Date _____

Reason _____

Recommendations

2

Date _____

Reason _____

Recommendations

3

Date _____

Reason _____

Recommendations



Manufacturer: Asia Connection Co., Ltd. 16F-1, No. 16, Jian Ba Road, Chung Ho District, New Taipei City 23511, Taiwan, Republic of China.



Authorized representative in the EU: Obelis s.a. Boulevard General Wahis 53, 1030 Brussels, Belgium.



IP22



agu-baby.com

AGU[®] ADVANCED
GROWING
UP



AGU[®] is the registered trademark by Montex Swiss AG,
Tramstrasse 16, CH-9442, Berneck, Switzerland