

## Advanced Compressor Nebuliser

EN

- ① Piston compressor  
② Power lead  
③ ON/OFF Switch  
④ Air filter compartment  
⑤ Nebuliser with switchable nebulisation rate  
⑥ Air hose  
⑦ Mouthpiece  
⑧ Adult face mask  
⑨ Child face mask  
⑩ Nose piece  
⑪ Replacing air filter  
⑫ Unplug the device before cleaning.  
⑬ Assembling nebuliser kit

**Customer**  
This professional nebuliser is a high-quality device for inhalation therapy for the treatment and care of upper and medium/lower respiratory tract.

The design and usage of the device is very straightforward. All common liquid medication can be used for inhalation therapy.

Please read through these instructions carefully so that you understand all functions and safety information. We want you to be happy with your Microlife product. If you have any questions or need further information, please contact our customer service. Your dealer or pharmacy will be able to give you the address of the Microlife dealer in your country. Alternatively, visit the internet at [www.microlife.com](http://www.microlife.com) where you will find a wealth of invaluable information on our products.

Remember, this is the best place for future reference.

Stay healthy - Microlife AG!

**Guaranteed**  
This device is covered by a 3 year guarantee from the date of purchase. The guarantee is valid only on presentation of the guarantee card completed by the dealer confirming the device to be in working order.

• The device is not suitable for anaesthesia and lung ventilation.

• This device should only be used with original accessories as shown in these instructions.

• Do not use the device if you think it is damaged or contains anything unusual.

• Never open this device.

• This device comprises sensitive components and must be treated with caution. Observe the storage and operating conditions specified in the "Technical Specifications" section.

• Protect it from:

- water and moisture
- extreme temperatures
- impact and dropping
- contamination and dust
- direct sunlight
- heat and cold

• Only use the medication prescribed by your doctor and follow your doctor's instructions with regard to dosage, duration and frequency of the therapy.

• Never use the nebuliser over 60° C.

• Children under 3 years old are not suitable for this device unless supervised; some parts are small enough to be swallowed.

• Electronic devices must be disposed of in accordance with the locally applicable regulations, not with domestic waste.

• Use of this device is not intended as a substitute for a consultation with your doctor.

### Preparation and Usage of this Device

Prior to using the device for the first time, we recommend cleaning it as described in the section "Cleaning and Disinfecting".

1. Assemble the nebuliser kit (2). Ensure that all parts are clean and in the correct position, suitable for the therapy to be performed (see chapter 3).
2. Fill the nebuliser with the inhalation solution as per your doctor's instructions. Ensure that you do not exceed the maximum level.
3. Connect the nebuliser with the air hose (6) to the compressor and plug the power lead (2) into the socket (230V / 50Hz).
4. Switch the ON/OFF switch (3) to position "I" to turn on the device and place the mouthpiece (7) in the mouth or fit one of the face masks over mouth and nose.
- This nebuliser gives you a better drug delivery to the lungs.
- Choose between adult (8) or child face mask (9) and make sure that it encloses the mouth and nose area completely.
- Use all accessories including the nose piece (10) and mouthpiece (7) as recommended by your doctor.
5. Breathe in and out calmly during the therapy. Sit in a relaxed position with the upper body upright. Do not lie down while inhaling. Stop inhalation if you feel unwell.
6. After completing the inhalation period recommended by your doctor, switch the ON/OFF switch (3) to position "O" to turn off the device and unplug it from the socket.
7. Empty the remaining medication from the nebuliser and clean the device as described in the section "Cleaning and Disinfecting".

The device was designed for inhalation treatment of children and adults. Turn off the ON/OFF switch (3) to stop the device after 30 min. use and wait for another 30 min. before your resume treatment.

**Choosing between 3 different Nebulisation Rates**

The nebuliser generates aerosols with variable characteristics, depending on the patient's respiratory pathology. It can produce an aerosol with the granular characteristics that will deposit the maximum amount of the drug in the respiratory tract being treated.

Choose one of the 3 following therapeutic treatment settings by regulating the wheel on the nebuliser's (5) upper part:

- **Upper air passages (nose, throat, etc.):** Position the wheel towards the bottom at number 3; the aerodynamic diameter of the aerosol particles will be from 10-33 - 14.5 micron.
- **Trachea (breathways):** Position the wheel in the center of the face (2), the aerodynamic diameter of the aerosol particles will be from 6.21 - 9.45 micron.
- **Deep air passages:** Position the wheel towards the top, at number 1; the aerodynamic diameter of the aerosol particles will be from 1.14 - 5.32 micron.

**Cleaning and Disinfecting**

Thoroughly clean all components to remove medication residuals and possible impurities after each treatment. The compressor (1) and the air hose (6) should be cleaned with a clean, moist cloth.

Always wash your hands well before cleaning and disinfecting the accessories.

Do not expose the nebuliser to water or heat.

Replace the air hose for each treatment with a new patient or in case of impurities.

Unplug the device before cleaning.

**Cleaning with water**

Wash all nebuliser components (except air hose) under warm tap water (max 60 °C) for about 5 minutes adding if necessary a small quantity of detergent following dosage and use limitations as provided by detergent manufacturer.

Ensure thorough cleaning making sure that all deposits are washed away and leave to dry.

**Disinfecting**

All nebuliser components (except air hose) can be disinfected with chemical disinfectants following dosage and use limitations as provided by disinfectant manufacturer.

Disinfectants usually available at pharmacies.

**Sterilization with steam**

All nebuliser components (except air hose and masks) can be heat sterilized up to 121 °C (20 min.) or 134 °C (5 min.). EN554/ISO11134.

The sterilisation packaging must conform to EN686/1930/1697 and be suitable for steam sterilization.

After sterilization the components cool down to ambient temperature before further use.

Do not repeat sterilization cycle when components are still warm.

**Preparation of the device for the first use**

Read the instructions carefully before using this device.

**Type B applied part**

**1. Important Safety Instructions**

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- Protect it from:

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Replace the air hose for each treatment with a new patient or in case of impurities.

Unplug the device before cleaning.

**Cleaning with water**

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5. Breathe in and out calmly during the therapy. Sit

## Pokrovový kompresorový inhalátor

SK

- Piestový kompresor
- Napájací kábel
- Prepraha ON/OFF
- Priestor pre vzduchový filter
- Inhalátor s 3 stupňami rozpršovania
- Vzduchová hadica
- Náustok
- Tvárová maska pre dospelých
- Tvárová maska pre deti
- Nosný nastaviek
- Výmena vzduchového filtera
- Zostavanie jednotlivých častí inhalátora

Vážený zákazník,  
tento profesionálny inhalátor je vysoko kvalitný prístroj na lečbu a starostlivosť o horú a dolné dýchacie cesty. Obsluha a používanie je veľmi jednoduché. Na inhalátori je možnosť vymieňať rôzne dezinfektívne tekle.

Pripráte si prostredom návodu počítanie, aby ste ponosili výrobkom. Všetky funkcie sú výrobkom bezpečné, alebo sú členiteľné až so svojím výrobkom. Ak máte akékoľvek otázky, problém alebo si chcete ohľadnúť rôzne detaily, kontaktujte prosím zákazníckeho servisu Microlife. Vás predajca alebo lekár. Všetky adresy distribútorov Microlife vo Västajskom kraji. Pridajte navštívené internetovo stránku www.microlife.com, kde môžete nájsť množstvo neoceniteľných informácií o výrobku.

Pred použitím prístroja si pozorne prečítajte návod a uchovávať ho pre prípadnú budoucu potrebu.

Zostavte zdraví - Microlife AG!

Pred použitím zariadenia si pozorne prečítajte návod.

Použité súčasti typu B

### Dôležité bezpečnostné pokyny

- Tento prístroj sa náležne používať ako lečivo podľa rôznych návodov. Výrobcom nemôže niesť zodpovednosť za poškodenie spôsobené nepresnou používaniom.
- Priestroj nie je vhodný na anestéziu a rôznu ventiláciu.
- Priestroj by mal byť používaný len s originálnym príslušenstvom až keď je v tomto návode.
- Nepoužívajte prístroj, ak si myslíte, že je poškodený, alebo ak spoznáte niečo nevyzývajúce.
- Nikdy prístroj neberajte.
- Tento prístroj obsahuje cielitve cūskúsky, preto je potrebné si uistísť, že sú zainštalované správne.
- Skontrolujte, či je inhalátor (2) správne poskladaný a farba hryška (2-A) inhalátora umiestnená správne.
- Uistite sa, či ste pridali požadovaný roztok.

### 7. Záruka

Na prístroj sa vzťahuje záručná doba 3 roky, ktorá plynú od dátumu jeho kúpy. Záruka platí iba po predložení záručného listu vyplňaného predajcom (pozrite zadnú obal návodu), ktorého potvrdenie dátumem zakúpenia je naň uvedené.

Na prístroj sa náležne používať na spotrebnej materiále ako inhalátor, náustok, maska, hadica a filter.

Neodborné rozoberanie prístroja alebo výmena súčiastok v prístroji náleží platený záruku.

Nároky na záruku sú strácané nesprávnym používaniem a nepravopisným zasašovaním do prístroja.

### 8. Technické údaje

**Výkon aerosolu:** Poľoh 1: 0,19 ml/min  
Poľoh 2: 0,38 ml/min  
Poľoh 3: 0,55 ml/min  
Prímeniny objem: náplne: 4 ml  
NaCl 0,9%

**Velkost čisticí:** Poľoh 1: 2,23 µm<sup>2</sup>  
Poľoh 2: 1,17 µm<sup>2</sup>  
Poľoh 3: 1,01 µm<sup>2</sup>  
\* Malvern systém

**Priestok kompresoru:** 13 l/min.

**Hlučnosť:** 53 dB

**Dĺžka napájania:** 230V~/50Hz~/150VA

**Dĺžka prívodnej štrúdy:** 1,5 m

**Kapacita inhalátora:** min. 2 ml; max. 12 ml

**Reziduálny objem:** 0,7 ml

**Prevádzkové obmedzenia:** 30 min. ZAP./30 min. VYP.

**Prevádzková teplota:** 10 - 40 °C

**maximálna relativa vlhkosť 10-95 %**

**Skladovacia teplota:** -25 - +70 °C

**maximálna relativa vlhkosť 10-95 %**

**Hmotnosť:** 1300 g (vratane príslušenstva)

**Rozmery:** 209 x 140 x 124 mm

**Odskaz na normy:** EN13544-1; EN60601-1; EN 60601-1-2; CE0434

Zmena technickej špecifikácie vyhradená.

### 2. Príprava a použitie tohto prístroja

Pred prvým použitím odpreďomáčte prístroj podľa pokynov v tejto príručke "Cistene a dezinfekcia".

Poskladajte inhalátor (2) podľa obrázka a skontrolujte, či obsahuje všetky komponenty. Občutnejte prístroj v horú a dolné dýchacie cesty a skontrolujte, či je pripravený pre potrebu liečby. (Príručka 3).

Napoklesť prístroj na hľadisku roztoku (1) podľa pokynov kľače a dňaťte na to, aby ste neprckli maximalnú hladinu.

Naďalej prístroj vložte do elektrickej siete (230V~/50Hz).

Teraz môžete prístroj zapnúť ON/OFF (3) (pozícia «»), vložiť do úst náustok (7) alebo nasadiť jednu z mášiek na ústu a nosový nastaviek.

- Pomôžte náustku a mášku s Vám liečivo dostane lepšie do plecy.

- Vyberte si masku pre dospelých (8) alebo masku pre deti (9) a uistite sa, že máte pevné utesnenú oblast' okolo úst a nosu.

- Použite všetky komponenty, tiež nosový nastaviek (10), podľa toho, ako určil lekár.

5. Počas terapie sa nadchýte a vydychujte počkajte. Sedie v uvoľnenom polohu a horú časť lejeťte vo vzpriamenej polohe. Počas terapie sa náležne používajte ON/OFF (3) na pozícii «» a odciatek zo siete.

7. Využívanie inhalátoru a očistenie od zvyškovou používateľskou roztokou podľa náučky, časť "Cistene a dezinfekcia".

Priestroj je určený na striedavé používanie 30 min. ZAP / 30 min. VYP. Vynrite prístroj po 30 minútach používania a po ďalších 30 min. ho môžete opäť uvoľniť do prevádzky.

### 3. Vyber 3 rôznych stupňov rozpršovania

Inhalátor vytvára aerosol s rôznym liečivým účinkom pre potreby horú a dolné dýchacie cesty s rôzne velkými časťami, ktoré prenášajú rôzne množstvo liečiva do liečenej respirektívnej traktu.

Vyberte jednu z 3 možností liečby nastavením otočného prepnávacia v hornej časti inhalátora (5).

• Horú dýchacie cesty (nos, hrdo, atď). Presuňte otočný prepínac do polohy 3: aerodynamický primer aerosolových časťov bude v rozpal 10,33 - 14,56 mikróna.

• Prievidušnicový/prieviduškový trakt: Presuňte otočný prepínac do polohy 2, ktorý je určený pre aerodynamické aerosolové časťov bude v rozpal 6,21 - 9,45 mikróna.

• Dolné dýchacie cesty: Presuňte otočný prepínac do polohy 1: aerodynamický primer aerosolových časťov bude v rozpal 1,14 - 5,32 mikróna.

### 4. Čistenie a dezinfekcia

Po každom použití všetky komponenty dokladne vycistite, odstráňte zvyšky liečiva a možného nečistot.

Kompressor (1) a vzduchová hadica (6) by mali byť odčistené čistou vŕškou handriekou.

Pred čistením a dezinfekciou prišlušenstva si vždy myte ruky.

- Kompressor neponárajte do vody a nevystavujte ho vysokým teplotám.

- Pre každú liečbu nového pacienta vymenite vzduchovú hadicu alebo v prípade nedostatku.

△ Pred čistením prístroj odpojte.

### Cistenie vodou

► Všetky časti prístroja (okrem vzduchovej hadice) umývajte pod teplou vodou s kohútikom (max. 60 °C) po dobu 1-2 minút. Ak je to potrebné, pridajte male možnosti a kontúru a na dývkami a obmedzenej výške používajte rôzne pokyny výrobca daného čistiteľného prostriedku.

► Dokladne opakujte a uistite sa, že sú umýté všetky usadeniny a nechajte vyschnúť.

### Dezinfeckia

► Všetky časti prístroja (okrem vzduchovej hadice) je možné dezinfektovať chemickými dezinfekčnými prostriedkami. Pre dývkavanie a prípadné obmedzenia v používaní daného dezinfekčného prostriedku sa riadi pokynmi výrobca.

► Dezinfekčné prostriedky je obvykle možné zakúpiť v lekárniach.

► Všetky časti prístroja (okrem vzduchovej hadice a mášiek) je možné sterilizovať parou do 121 °C (20 min.) alebo 134 °C (7 min.). EN554/ISO11134.

► Sterilizácia tohto prístroja musí byť v súlade s normou EN686/ISO11160.

► Pred ďalším použitím je po sterilizácii vždy nevyhnutné vymieňať všetky časti výčiňať na teplotu okolia.

► Sterilizácia neopakujte počas komponenty tepľa.

► Neponárajte komponenty tepľom.

► Neponárajte komponenty tepľom.