

EN
COMPRESSOR NEBULIZER LD. Instruction Manual.
PL
KOMPRESOROWY INHALATOR LD. Instrukcja obsługi.
HU
KOMPRESSZOROS INHALÁTOR LD SOROZAT. Használati útmutató.
RO
APARAT DE AEROSOLI CU COMPRESOR LD. Manual de instrucțiuni.
BG
KOMPRESOREN INHALATOR LD. Ръководство за експлоатация.

fig.1 rys.1 1. ábra
PARTS AND COMPONENTS
PODSTAWOWE CZĘŚCI I KOMPONENTY
НАЗВАНИЯ ЧАСТИ И КОМПОНЕНТОВ
ALKATRÉSZEK MEGNEVEZÉSE

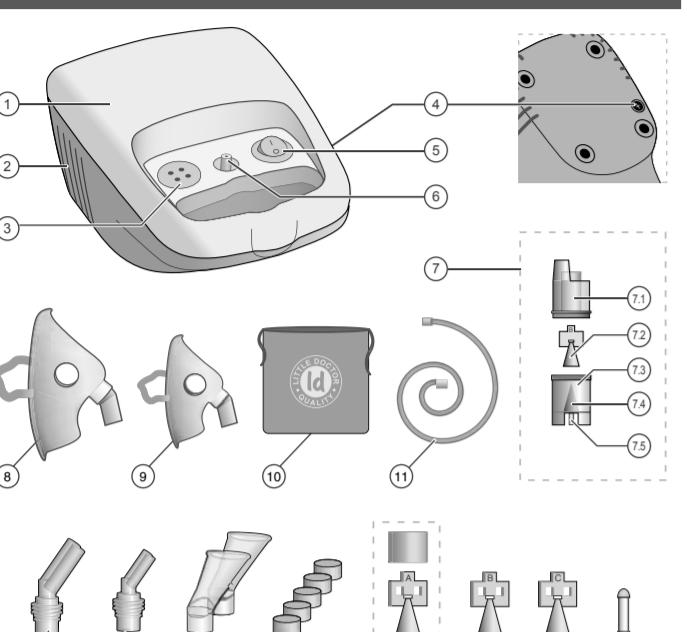


fig.2 rys.2 2. ábra
USING THE DEVICE
MOD DE UTILIZARE
НАЧИН НА ИЗПОЛЗОВАНЕ
HASZNÁLAT

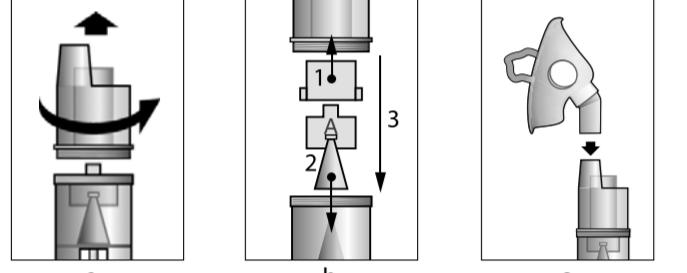


fig.3 rys.3 3. ábra
Depending on the type of baffle, the particles of different sizes are distributed aerosols as follows*:

W zależności od rodzaju używanego rozpylacza, aerosol o różnej wielkości cząstek rozporządzany jest w następujący sposób*:

Ażadoló típusról függően, a különböző méretű részecskék aerosol eloszlása a következő*:

Independently of the tip dispensor utilized, particulele de diverse dimensiuni se distribuie in aerosol in felul urmator:

В зависимости от типа пульверизатора, избран от Bac, частицы с различным размером распределены в аэрозоле по следующим начинам*:

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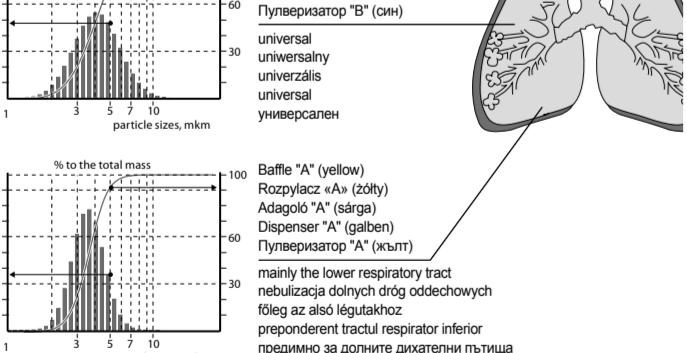
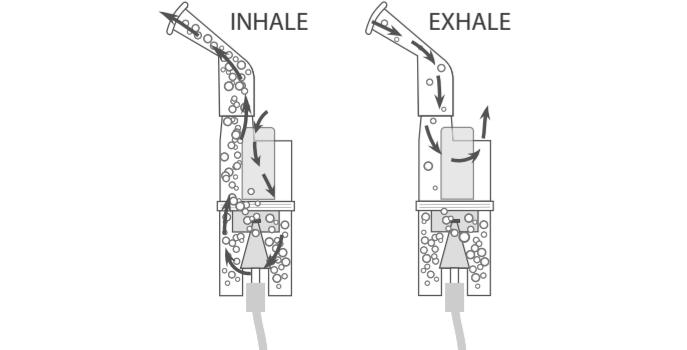


fig.4 rys.4 4. ábra
Breath-actuated nebulizer.
Nebulizator aktywowany wdechem.
НЕБУЛАЙЗЕР, АКТИВИРАЩ СЕ С ВДИШВАНЕ.

Lelegzet-aktivált inhalátor.

**EN****PARTS AND COMPONENTS (fig.1)**

- ① COMPRESSOR.
- ② INTAKE.
- ③ SOCKET FOR THE FILTER.
- ④ SLOT WITH SAFETY FUSE.
- ⑤ POWER SWITCH.
- ⑥ CONNECTOR OF COMPRESSOR.
- ⑦ NEBULIZER LD-N10.
- ⑧ UPPER PART OF NEBULIZER.
- ⑨ BAFFLE "B" (BLUE) LD-N002.
- ⑩ NOZZLE.
- ⑪ BOTTOM OF NEBULIZER.
- ⑫ CONNECTOR OF NEBULIZER.
- ⑬ ADULT MASK LD-N041.
- ⑭ CHILD MASK LD-N040.
- ⑮ BAG.
- ⑯ INHALATION TUBE LD-N051.
- ⑰ ADULT NASAL NOZZLE LD-N058.
- ⑱ CHILD NASAL NOZZLE LD-N059.
- ⑲ INHALATION MOUTHPIECE.
- ⑳ FILTER INHALED.
- ⑳ BAFFLE "A" (YELLOW) LD-N001.
- ㉑ BAFFLE "B" (BLUE) LD-N002.
- ㉒ BAFFLE "C" (RED) LD-N003.
- ㉓ FAZE 1 25Ω.

NEBULIZER THERAPY – WHAT IS IT?

Nebulizer is a device for formation and spraying of aerosol. The word "nebulizer" is derived from the Latin word "nebulosa" (fog, cloud) and was first used in 1874 for a device that turns a liquid substance into an aerosol for medical purposes. One of the first portable "aerosol apparatuses" was created by J. Sales-Girons in Paris in 1859. The first nebulizers were used as steam jet energy sources and were applied for inhalation the vapors of resins and antibiotics by tuberculosis patients. Presently, the term "inhaler" is often used instead of "nebulizer". Factory installed baffle inside the nebulizer is baffle "B" (Blue), which is effective to affect the entire respiratory tract. For a more effective impact on the upper respiratory tract, set, instead of the blue baffle, red baffle "C". For a effective impact on the lower respiratory tract - baffle "A" yellow color, which consists of two parts (Fig. 2, figures indicate the order of assembly). Graphics of the differential particle size distribution by mass for different nozzles are shown in Fig. 3. For effective delivery medicines to a specific site of respiratory tract, need to use the appropriate baffle.

Little Doctor International (S) Pte. Ltd. offers you to use inhaler LD-212C, whose distinctive features are the possibility to use a wide range of medicines, low inhalation solution residual volume, and reliable and simple use. We thank you for your choice.

GENERAL INFORMATION

Compressor nebulizer LD is designed for treating the diseases of respiratory passages and lungs by medicine solution aerosols in clinic and at home.

This Instruction Manual is designed to assist the user with safe and effective operation of the Compressor Nebulizer LD.

Use this Device according to the rules described in this Manual. Operate the Device only as intended. Do not use the Device for any other purposes. Read and understand the whole Instruction Manual.

Functionally, the device consists of an air compressor and nebulizer (aerosol forming chamber). The air compressor, on/off power switch and air filter are united in one casing. From the air compressor, the compressed air is fed through a pipe to the nebulizer, where aerosol is formed. For cooling the compressor, air is force-feed into the device's casing.

SAFETY INFORMATION

To assure the correct use of the product, basic safety measures should always be followed including the warnings and cautions listed in this instruction manual.

WARNING

- For regime of medication shall follow the instructions of your physician or licensed healthcare practitioner.
- Do not cover the compressor with a blanket, towel, or any other type of cover during using. This could result in the compressor overheating or malfunctioning.
- Do not use the device where the device may be exposed to flammable gas or vapors.
- Do not use mineral water in the nebulizer for nebulizing purposes.
- Always dispose of any remaining medication in the medication tank after each use. Use fresh medication each time you use the device.
- Do not leave the device or its parts where it will be exposed to extreme temperatures or changes in humidity, such as leaving the device in a vehicle during warm or hot months, or where it will be exposed to direct sunlight.

CAUTION

- Limit the use of the device to 20 minutes at a time, and wait 40 minutes before using the device again.
- Provide close supervision when this device is used by, on, or near infants, children or compromised individuals.
- Do not insert any object into the compressor.
- Make sure that the air filter is clean. If the air filter has changed color or has not been used for 60 days, replace the filter.
- Make sure that the nebulizer kit is correctly assembled, the air filter is properly installed, and the air tube is correctly connected to the compressor and the nebulizer kit. Air may leak from the air tube during use if not securely connected.
- Inspect the compressor (main unit) and the nebulizer parts each time before using the device. Make sure no parts are damaged, the nozzle and air tube are not blocked and the compressor operates normally.
- Do not use the device if the air tube is bent.
- Do not block the air filter cover.
- Do not after the baffle, the nozzle in the medication tank or any part of the nebulizer kit.
- Do not add more than 10ml of medication to the medicament tank.
- Do not operate the device at temperatures greater than 40°C.
- Do not use the nebulizer kit so the angle of the kit is greater than 45°. Medication may flow into the mouth.
- Do not shake the nebulizer kit while using the device.
- Do not subject the compressor, or any of the components to strong shocks, such as dropping on the floor.
- This device is approved for human use only.
- Do not disassemble or attempt to repair the device or components.
- Use the device only for its intended use as described in the instruction manual. Do not use attachments not recommended by the manufacturer.
- Dispose of the device, components and optional accessories according to applicable local regulations. Unlawful disposal may cause environmental pollution.
- Make sure that the air tube is securely attached to the compressor (main unit) and nebulizing parts, and does not come loose. Twist the air tube slightly when inserting it into the connectors to avoid the tube disconnecting during use.

RISK OF ELECTRICAL SHOCK

- Do not use the compressor (main unit) and the power cord while they are wet.
- Do not plug or unplug the power cord into the electrical outlet with wet hands.
- Do not immerse the compressor (main unit) in water or other liquid.
- Do not spill water or other liquids on the compressor. These parts are not waterproof. If liquid spills on these parts, please unplug the power cord and wipe off the liquid with a gauze or other soft absorbent material immediately.
- Do not use or store the device in humid locations or outdoors. Use the device within the operating temperature and humidity.
- Do not overload power outlets. Plug the device into the appropriate voltage outlet.
- Do not use extension cords. Plug the power cord directly into the electrical outlet.
- Unplug the power cord from the electrical outlet after using the device. Never leave this product unattended when plugged in.
- Unplug the power cord from the electrical outlet before cleaning the device.
- Completely read all of the instructions included the optional accessories before using them.
- Not to position the ME EQUIPMENT so that it is difficult to operate the disconnection device.
- The power switch is used to isolate the device from the supply mains.
- The direction of movement of the actuator of the supply mains switch is comply with IEC 60447.

MAINTENANCE AND STORAGE

- Keep the device out of the reach of unsupervised infants and children. The device may contain small parts that can be swallowed.
- Do not leave the cleaning solution in the nebulizer parts. Rinse the nebulizer parts with clean hot tap water after disinfecting.
- Wash the nebulizer parts after each use. Dry the parts immediately after washing.
- Store the device and the components in a clean, safe location.
- Do not carry or leave the nebulizer with medication in the medication tank.
- Do not place or attempt to dry the device, components or any of the nebulizer parts in a microwave oven.
- Do not wrap the power cord around the compressor (main unit).
- The following are maintenance and repair which can be taken by operator, or which must be operated by manufacturer or distributor.

SERVICE AND MAINTENANCE

	RESPONSIBLE
Change the inhalation tube	Operator
Change the applied part	Operator
Change the air filter	Operator
Clean the surface of the device	Operator
Daily cleaning and disinfecting	Operator
All components which need to be repaired or changed by separating the device	Authorized service center of distributor or manufacturer

WARNING:

- Do not modify this equipment without authorization of the manufacturer
- Do not service or maintenance the device while in use with the patient.

EN**CARE AND DISPOSAL**

- Regularly clean the device and all accessories. It is recommended that all the accessories should be wiped with a 3% solution of hydrogen peroxide with addition of 0.5% solution of a detergent (for example, a laundry powder). After that, the nebulizer should be washed by a rich jet of water. The mouthpieces and nose nozzles may be treated by boiling for 10 minutes or autoclaving at 150°C. After the treatment, wipe dry all parts of the device with a soft cloth.
- Regularly check the filter for dirt and replace it when needed. FILTER REPLACEMENT IS RECOMMENDED AT LEAST ONCE A MONTH.
- Repair the Device only in authorized organizations.
- On expiration of the warranted service life apply from time to time to authorized repair organizations to check the technical condition of the Device. Dispose to time to authorized repair organizations to check the technical condition of the Device. Dispose of the Device and its components according to the application local regulations. No special requirements to disposal of this Device are defined by the manufacturer.

USING THE DEVICE**Preparation for inhalation.****IMPORTANT:**

Before using the appliance for the first time it is necessary to make a full cleaning, as described in last paragraph "SAFETY INFORMATION".

1. Place the nebulizer in front of you on the table. Make sure the device is turned off (power switch is in position «0»), and the power cord is not plugged into the mains.

2. Remove the top of the nebulizer by turning it counter-clockwise (Fig.2.a).

3. Set the desired baffle.

Factory installed baffle inside the nebulizer is baffle «B» (Blue), which is effective to affect the entire respiratory tract.

The purpose of the nebulizer therapy is to quickly deliver to the respiratory passages a therapeutic dose of a preparation in aerosol form. Continuous supply of aerosol allows, within several minutes, creating high concentration of a medicine in the upper and lower respiratory passages and lungs, with low probability of any side-effects. Respectively, effective bronchodilatation (bronch expansion) is reached, and the need for hospitalization is eliminated or the hospital stay is reduced.

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