

- ① Compressor unit
- ② Power cord with power plug
- ③ On/Off switch
- ④ Compartment for air filter
- ⑤ Nebuliser kit
- ⑥ Atomiser
- ⑦ Mouthpiece
- ⑧ Air tube
- ⑨ Adult face mask
- ⑩ Child face mask
- ⑪ Elastic strap
- ⑫ Nose attachment

Attachment of elastic strap to mask:

Dear Customer,

Congratulations of your purchase of the apornorm[®] by microlife nebuliser Compact. The device is a high-quality nebuliser to be used in inhalation therapy for the treatment of asthma, COPD and other respiratory diseases. These instructions describe all functions of your device. They include important safety information and instructions for the use of the nebuliser. Please read the information in the operating instructions thoroughly before using the device. If you have any questions or problems, please contact your local pharmacy. Your pharmacy will also provide you with any replacement parts required. Your pharmacist is the person to contact for all questions concerning the nebuliser. For more detailed information on our products please refer to www.apornorm.de.

We wish you good health at all times! apornorm[®] – Your pharmacy brand

The apornorm[®] nebuliser Compact:

- Is suitable for inhalation therapy for the treatment of asthma, COPD and other respiratory diseases
- Is suitable for professional use (on a regular basis)
- Allows the medication to reach the depths of the lungs
- Features extremely fine nebulization
- Is simple to use
- Features a powerful compressor
- Comes with face masks, mouthpiece, nosepieces, nebuliser kit, air tube and spare air filters
- Can be steam sterilized
- Provides a high efficiency of inhalation

Important!!!

Please read the operating instructions thoroughly before using the nebuliser.
Retain these instructions for further reference.



Important! Please observe the information in this booklet in order to prevent damages to the blood pressure monitor and avoid error messages.



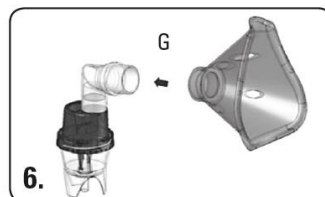
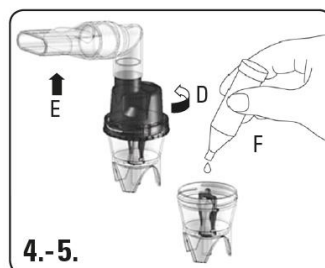
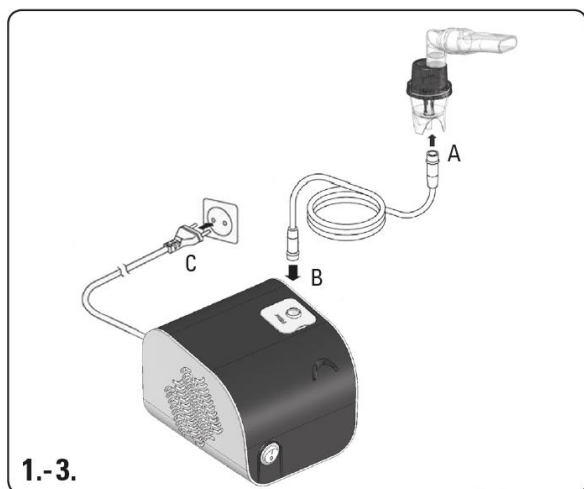
Type BF applied part



Keep Dry.



Read the instructions carefully before using this device.

Brief instructions

1. Make sure that the power switch is switched off (power switch in the 0 position).
2. Connect the air tube to the nebuliser kit (A) and the device (B). Please make sure that the tube is securely attached to both valves.
3. Plug the power plug into a power outlet (C).
4. Remove the top from the nebuliser kit. Unscrew the cap of the nebuliser kit by turning it in the direction of the arrow (D) and lift it off (E).
5. Add the correct amount of medical liquid to the medication tank (F). The liquid must not exceed the maximum filling level. (min. 2 ml; max. 12 ml) Now screw the top of the nebuliser kit back to the medication tank. Make sure that the nebuliser kit is kept upright after it has been filled with the medical liquid.
6. Now attach a face mask, the mouthpiece or the nosepiece to the nebuliser kit (G) and hold the kit in your hand. It is important to keep the nebuliser kit upright as otherwise the medical liquid may spill. Start inhaling your medication.

1. Safety information and instructions, use, warranty

Safety

Use the device only for the purpose described in these instructions – as an inhaler for aerosol therapy. Please observe your doctor's instructions. Any other use of the device is forbidden and may be dangerous. The manufacturer will not accept any liability for damage caused by improper use. Retain the instructions for use for later reference.

The device must not be exposed to:

- Water and moisture
- Extreme temperatures (heat and cold)
- Impact load and drop to the floor
- Dirt and dust
- Strong solar irradiation

Warranty

aponorm[®] by microlife gives a 5 years warranty from the purchase date for this device. To claim your warranty you need to submit the device warranty card filled in by the pharmacy where you purchased it. You will find the warranty card for the aponorm[®] Compact nebuliser on the last page of these instructions for use.

Please not the following:

- The nebuliser device is covered by the 5 years warranty.
- Opening of or modification to the device by the user voids all warranty claims.
- The warranty does not cover damage caused by improper use, accidents or failure to observe the instructions for use.
- Wear parts (e.g. mouth- and nosepiece, filter layer, mask) are not covered by the warranty.

Information for use:

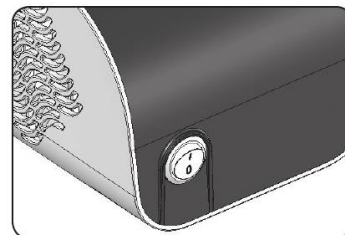
- Do not use the device as an anaesthetic apparatus or respirator.
- Thoroughly clean the nebuliser kit after each use. Make sure that all parts are completely dry, and then store the device in a clean and dry place.
- If the device works improperly or not at all, please refer to the section „Malfunction and remedial action“.
- Do not open the device housing. Do not perform any repairs yourself. Otherwise perfect function cannot be guaranteed.
- Do not immerse the device in water.
- Never touch the device with your hands wet or moist.
- Do not store or leave the device to stand outdoors.
- During use the device must be placed on a stable and horizontal surface.
 - Ensure that children do not use this device unsupervised; some parts are small enough to be swallowed. Be aware of the risk of strangulation in case this device is supplied with cables or tubes.
- Do not use the device if cords or plugs are damaged.
- Do not block the inhalation air inlet.
- Use only medication prescribed by your doctor or medication formulated for use in a nebuliser. Always observe your doctor's recommendations or the medical information provided by the package insert.
- Do not use gluey or tenacious consistency, like e.g. essential oils, syrup, cough mixture, medicinal solution for gargling, ageratum and drops used for vapour-bath.
- Ensure that the air filter is clean at all times. If the air filter changes color or is blocked, replace it with a new one.
- Do not tilt the nebuliser kit at an angle of more than 45°.
- Do not shake the device while it is in use.
- Unplug the power plug before cleaning the device.



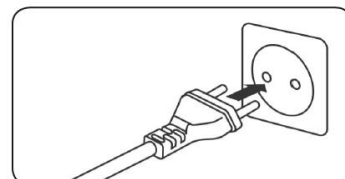
2. Preperation

We recommend cleaning and disinfecting all components before initial use as described in section „Cleaning and disinfection“.

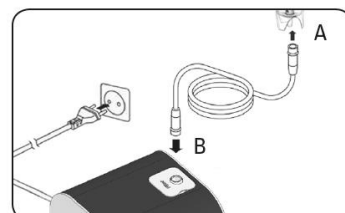
1. Make sure that the power switch is switched off (power switch in the 0 position).



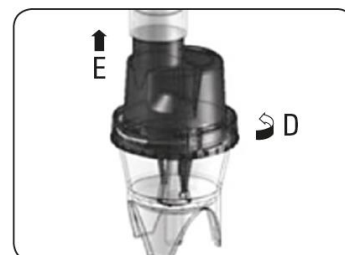
2. Plug the power plug into a power outlet.



3. Connect the air tube to the nebuliser kit (A) and the device (B). Please make sure that the tube is securely attached to both valves.



4. Remove the top of the nebuliser kit. Unscrew the cap of the nebuliser kit by turning it in the direction of the arrow (D) and lift it off (E).



5. Add the correct amount of medical liquid to the medication tank (F). The liquid must not exceed the maximum filling level. (min. 2 ml; max. 12 ml)



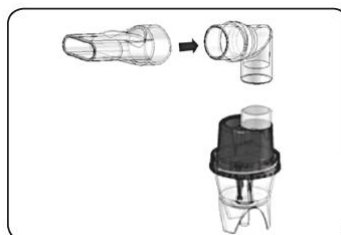
6. Screw the top of the nebuliser kit back to the medication tank.

Make sure that the nebuliser kit is kept upright after it has been filled with the medical liquid.

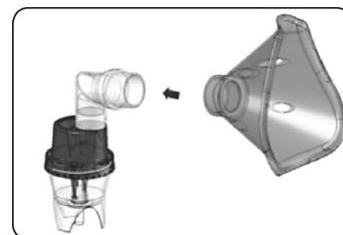
3. Use of the attachments, inhalation



1. Hold the nebuliser kit in your hand. It is important to keep the nebulizer kit upright as otherwise the medical liquid may spill.



2. Please attach the mouthpiece, nosepiece or mask (adult/child) to the nebuliser kit.



Sit upright and relax. Do not lie down for inhalation.

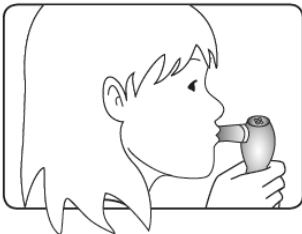
Lower respiratory tract (Bronchia)

Here we recommend the use of the mouthpiece.

When you inhale the medicine through the mouthpiece the particles are taken directly to the lower respiratory tract. Of course you can use the face mask as well, but in this case the particles do not reach the lower respiratory tract directly, but rather just the bronchus. Therapy is not as effective as when using the mouthpiece.

Use of the mouthpiece:

Take the mouthpiece between your lips and breathe in through your mouth, inhaling the medication. Breathe out normally through the mouthpiece.



3. Turn the mains switch on the compressor unit to 1. The compressor starts up, the nebulization process starts. The inhalation time depends on the medication quantity. Always observe the medical information provided by the package insert of the medication or ask your doctor or pharmacist.

Central respiratory tracts (Chest/lung tract)

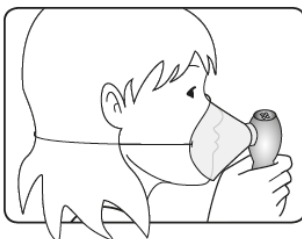
Here we recommend the use of the face mask as it reliably takes the medication to the bronchus.

Connect the mask to the nebuliser kit.

For donning the mask hold it between your thumb and index finger and place it over your mouth and nose. Now pull the elastic strap of the mask over your head to fix the mask. When donning the mask make sure that the medication tank is kept upright to prevent spilling of the liquid

Use of the face mask:

Don the mask so that it covers your nose and mouth and breathe in, inhaling the medication. Breathe out normally through the mask.



3. Turn on the power switch of the compressor.

Upper respiratory tract (nose/throat or throat/pharynx)

For treating throat and nose we recommend the use of the nose attachment.

However, for treating rather the throat and pharynx you should use the mask.

Connect the nose attachment or mask to the nebuliser kit.

Use of the nose attachment:

Hold the nosepiece to your nose and breathe in, inhaling the medication. Breathe out normally through your mouth.



3. Turn on the power switch of the compressor.

Switch the device off at the end of your therapy. Please check that the air tube does not hold any moisture. If condensate has formed in the air tube, remove just the nebulizer kit and switch the device on again. Leave it switched on and operating until the tube is dry on the inside. If you store the tube with condensate or moisture inside, bacteria may proliferate and cause an infection.

4. Malfunction, remedial action

The device does not start.

- Ensure that the power plug is properly connected to the power outlet (plugged in).
- Ensure that the On/Off switch is in position "1".
- The device may have switched off due to overheating. Wait for the device to cool off and switch it on again.

The nebulisation output of the device is insufficient (nebulisation rate too low or none at all).

- Make sure that the air tube is properly connected at both ends.
- The air tube must not be damaged, compressed, bent, dirty or blocked or clogged. If necessary, replace the air tube.
- Make sure that the nebuliser kit is properly assembled.
- Make sure that the correct quantity of inhalation solution is filled in.
- Make sure that all components are well cleaned.

5. Cleaning and maintenance

Thoroughly clean all accessories after each treatment in order to remove any medication residues and potential dirt/contamination. The compressor and the air tube must only be cleaned on the outside using a clean and moist cloth. We recommend to disinfect the nebuliser at least once a day.

- Always scrub your hands thoroughly before cleaning and disinfecting the accessories.
- Never expose the compressor unit to water or heat.
- If several persons use one device, each of these persons must have their own complete kit. Change it before the treatment of a new person or replace it if it is dirty/contaminated.

Cleaning:

- Clean all nebuliser accessories (except for the air tube) for approx. 5 minutes under warm tap water and add a bit of dishwashing liquid (max. 60 °C).
- Thoroughly rinse all components. Make sure that all deposits are removed; leave all parts to dry completely.
- If some parts are very dirty and soiled a clean brush could be used as well.

Disinfection:

- Always disinfect the fragmented nebuliser and used components (except the air tube) after regular cleaning. Important because only clean materials can be disinfected effectively.
- All nebuliser accessories (except for the air tube) can be cleaned using chemical disinfectants. Please observe the instructions of the disinfectant manufacturer.

In boiling hot water:

Put the component parts of the nebuliser (except for the air tube, the masks and the compressor unit) at least 15 minutes in boiling hot water. Use a clean pot and fill it with enough water. Plastic material could melt while touching the hot ground of the pot.

Sterilisation:

- All nebuliser accessories (except for the air tube, the masks and the compressor unit) can be sterilised using hot steam: up to 121 °C (20 min.) or up to 134 °C (7 min.) EN554/ISO1134.
- If available you are also able to use a thermic, usual in trade disinfection tool for baby bottles.
- After sterilisation leave all accessories to cool down to ambient temperature. They can be used again only after having cooled down. Do not repeat the sterilisation process while the accessories are still warm. You can order all replacement parts and accessories from your local pharmacy.



Do not repeat the sterilisation process while the accessories are still warm. You can order all replacement parts and accessories from your local pharmacy.

Replacement of filter

- We recommend the regular replacement of the atomiser unit, the mouthpiece, the nose attachment and the masks due to wear.
- Check the filter for contamination on a regular basis and replace it if necessary. A replacement filter is supplied along with the device.
- To replace the filter open the air filter compartment on the top of the unit (identified with "Filter").

6. Technical data

Designation:	apornorm [®] by microlife nebulizer compact
Model:	NEB 100
Type:	Non-heating compressor-nebuliser
Tension supply:	230 V, 50 Hz
Power input:	150 VA
Weight:	approx. 1.2 kg
Dimensions:	approx. 140 (w) × 120 (h) × 150 (d) mm
Nebularisation quantity:	0.35 ml / min. (NaCl 0.9 %)
Particle size:	75 % < a 5 µm (NaCl 0.9 %)
Max. airflow:	12 l / min
Noise level:	56 dBA
Operational Pressure:	60 kPa (0.6 bar)
Length of power cord:	1.5 m
Filling quantity of nebuliser:	min. 2 ml; max. 12 ml
Residual quantity:	0.7 ml
Operating conditions:	temporary use 30 / 30 min I / O
Operating temperature:	10 to 40 °C / 50 to 104 °F 10 –95 % relative maximum air humidity
Storage temperature:	-25 to +70 °C / -13 °F to +158 °F 10 –95 % relative maximum air humidity 700 –1060 hPa
IP Class:	IP 20
Expected service life:	5 years
Reference to pertinent standards:	EN 13544-1; EN 60601-1; EN 60601-1-2; CE0434; IEC 60601-1-11

Contents of the package

Compressor with power cord, Nebuliser unit including atomizer, Air tube (PVC, 100 cm), 3 replacement filters, Mouthpiece (PP), Adult face mask (PVC), Child face mask (PVC), Elastic strap, Nosepiece (PP), Instructions for use, Soft bag

Notes

- Subject to technical changes without notice.
- It may be the case that the device does not work if the temperature or voltage does not correspond to the values indicated in the technical data.



Disposal

Electronic devices must not be disposed of as normal domestic waste, but they must be disposed of in accordance with the local provisions valid. The function of this device may be compromised when used close to strong electromagnetic fields such as mobile phones or radio installations and we recommend a distance of at least 1 m. In cases where you suspect this to be unavoidable, please verify if the device is working properly before use.

