

Airnergy Guidelines regarding Hygiene and Maintenance of Inhalation Devices Professional Plus, Professional Plus compact, Basis Plus, Avant Garde, and Travel Plus.

With these guidelines, Airnergy follows the standard of general hygiene requirements for medical products, based on recommendations by the German Commission for Hospital Hygiene and Infection Prevention (KRINKO) of the Robert Koch Institute (RKI) and the Federal Institute for Drugs and Medical Devices (BfArM).

If the device is used commercially or operated in an institute treating patients, any personnel administering the equipment on patients or clients shall receive hygiene training before using the equipment for the first time. In addition, Airnergy offers follow-up training and refresher courses.

⚠ It is essential to ensure that the device is neither exposed to direct sunlight nor placed on a heated surface (e.g., heating area)!

Air and antibacterial filter



The air filter should be replaced after 50 hours of operation. After expiry of this period, the user is automatically prompted by a message on the display to change the filter on the device. The message on the display says: "Filter Change". Once you have changed the filter manually, you reset the counter on the device by pressing a combination of keys "Plus + Minus + Stop" below the display. The counter will restart with the proximate application and prompt another message to change the filter after the next 50 operating hours.

Replacement filters can be reordered from Airnergy (Article No. 1020155, or for purchases after 01.01.2014: Article No. 1020156 resp.).

Before each use, check whether the air filter is duly attached to the device!

The air filter (air intake area) must be free of obstructions at all times.

Water

Before each application, fresh tap water (classified as quality grade in accordance with the German Drinking Water Ordinance* TWO) must be used. According to the manufacturer, the bottle supplied with the device

must be filled with approx. 250 ml of water.

If it is not possible to access fresh tap water, use water of the same grade from a sealable container. The water in the container should also be renewed every day.



Nasal cannula

⚠ The nasal cannula is a disposable, single-use personal-used product!

Before each application, a new nasal cannula must be attached to the outlet nozzle on the front of the device.

The nasal cannula must be worn in accordance with the manufacturer's instructions. The design automatically prevents any breathing against the airflow.



Sparkling element

The sparkling element consists of a glass tube with a sparkling head. The sparkling element connects to the device with the attached hoses

⚠ Please be sure only to touch those parts of the sparkling element that are not inserted into the glass bottle. Similarly, the glass bottle must only be handled from the outside.

⚠ After each inhalation application, the water must be emptied from the bottle completely!

Fill the bottle with approx. 250 ml of water before each use. Following

the last application of the day, the bottle should be rinsed with clean water and securely placed upside down on a clean, absorbent surface (cellulose/paper towel) in order that any remaining water may drain from the bottle and the bottle can dry.

The sparkling element should also be placed on a clean, absorbent surface (cellulose/paper towel) in order that any remaining water may drain from the sparkling head and the element can dry over night.

When used correctly, inadvertent ingress of water into the unit is not possible. The hoses are fixed and can only be released in a wilful manner!

There are no water hoses installed in the unit itself!



Decalcification of the sparkling element —

⚠ Glass! Handle with care!

Despite the use of recommended water, calcification of the pores on the sparkling head of the sparkling element or the inside walls of the glass bottle may occur. Such residues can be removed with solution of citric or acetic acid. Simply fill the glass bottle with a mixture of 250 ml water and 250 ml diluted citric or acetic acid and place the sparkling element inside. Leave the solution to act on the bottle and the sparkling element overnight. The next day, rinse the bottle vigorously with plenty of clean water. Gently hold the sparkling element under running water, with the sparkling head pointing in the direction of the water flow, and rinse carefully and thoroughly.

Surface cleaning of the device

Generally, the device may be cleaned on the outside with a non-aggressive detergent, a window cleaner or a disinfectant suitable for synthetic materials. Only use a soft, damp cloth so as not to scratch the surface of the housing.

Only clean with a damp cloth to prevent water or detergent penetrating through ventilation slots into the unit. Be sure to close off the outlet nozzle for the nasal cannula with the supplied plastic cap; the sparkling element must be attached to the unit by the connecting hoses; and the air filter should be plugged into the corresponding port on the device.

Provided the plug has first been disconnected from the power socket, the exterior of the power supply adapter may also be cleaned with a damp cloth and/or a disinfectant suitable for synthetics.

Cleaning, disinfection and steam sterilisation

Steam sterilisation of the glass bottle and the sparkling element in accordance with DIN EN 285:2016-05 (new version) and these guidelines is possible.

Both objects are thermostable and can be sterilised at temperatures up to 200 °C.

Alternatively, the glass bottle and the glass parts of the sparkling element may be treated with a special glass disinfectant.

The hoses and connections of the sparkling element should be treated and disinfected externally with a solvent-free spray disinfectant for synthetics.

In any case, follow the instructions for cleaning and care of both the manufacturer of the device and the manufacturer of the disinfectant!

The measures listed here are not necessarily required after every use of the device!

Note that the device only uses natural substances, air and water — without the addition of any foreign substances or chemical additives.

⚠ For security reasons, we must ask you to strictly adhere to these guidelines in order to guarantee hygienic safety!

Check list:

- Air filter
- Water
- Nasal cannula
- Sparkling element
- Self-test

For any further questions regarding these measures, please contact the manufacturer: +49 (0) 2242 9330-0.

Differences to other models

Travel Plus

Filling quantity of the glass bottle is approx. 190 ml of water.

Avant Garde

The sparkling element is integrated into the glass bottle. When filling the bottle, only touch the sealing cap at the head and not the neck. When emptying the bottle, make sure the water is drained from the opposite side of the sparkling element, so that the water cannot flow back into the hoses.