



WeWater

Instructions for the basic disinfection of the AQQA®cube

Preliminary remark

Due to its unique membrane, the AQQA®cube reliably filters bacteria and particles from surface water. Nevertheless, bacteria or fungi can multiply at the outlet and, depending on the duration of use, also in the filter. They do not pass through the membrane but enter the filter from the outlet. Since ultrafiltered water still contains enough nutrients to feed these bacteria, the pathogens can multiply and thus contaminate the filtrate side. This contamination must be eliminated by regular disinfection. If these instructions are not followed or if the disinfection is not carried out properly, infectious diseases can be transmitted when drinking filtered water. Infectious diseases caused by pathogens living in the water can lead to serious health impairments. Please therefore observe the instructions and in particular the time intervals for regular disinfection of the AQQA®cube.

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These instructions can also be found online at wewater.org/en/aqqa-bag

Time interval for basic disinfection

The time interval for disinfecting the AQQA®cube depends on the conditions of use. We recommend disinfection after 6 months at the latest, but preferably monthly.

Disinfection agent

We recommend using only DK-Dox Active Basic. The product contains a pH-neutral, chlorine-free aqueous (2.9 g/L) chlorine dioxide solution. The product is a biocide (registration no. N-52123 and N-52124) and is not classified as a hazardous substance. It is approved for drinking water disinfection and is also used in municipal drinking water plants for the disinfection of plant components and pipelines. According to DVGW, a concentration of 6 mg/l and an exposure time of 12 hours is required for disinfecting drinking water pipes with chlorine dioxide.

Read product information before use! Do not drink chlorine dioxide and do not inhale the vapours!

The product is stable for 1 year as a ready-to-use solution. As a 2-component solution it can be stored for 5 years.

DK-Dox is highly effective against algae, fungi, bacteria, viruses, legionella as well as for removing biofilm. It is chlorine-free, compatible with materials (tested for use with the AQQA membrane), and biodegradable.

DK-Dox complies with the following standards relevant for drinking water treatment:

- German Drinking Water Ordinance 2001
- DVGW worksheet W224, W291, W557, W624



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- Ö-Norm M5879-3

Preparation of the AQQA®cube and disinfection:

- Filter 150 l of water with the AQQA®cube and store temporarily in canisters.
- Open the outlet valve at the bottom and empty the AQQA®cube completely. Rinse the filter until it is visually clean. Close the outlet valve.
- Empty 150 l of clean water from the canisters into the AQQA®cube.

Carry out the disinfection:

- Empty 500 ml DK-Dox Active Basic into the AQQA®cube. **Wear protective gloves and goggles!**
- Stir
- Open filtrate valve and let water run for approx. 30 minutes. Do not drink the water and discard it. Close the filtrate valve.
- Leave for 12 hours.
- Empty the container completely by opening the outlet valve at the bottom. Do not drink the water and discard it. Close the outlet valve.

Restart the filter:

- Fill AQQA®cube with water.
- Open the filtrate valve and let it run for approx. 30 minutes. Do not drink the water and discard it. Close filtrate valve
- The AQQA®cube can be used again as usual.

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