

Baclyser® WA



Inline hollow fibre membrane filter delivering safe, sterile water for the reprocessing of medical devices

- Effective protection against waterborne pathogens
- Sterile filtration for reliable water hygiene
- High flow rate
- Operating time of up to 1 month
- CE-marked medical device
- Quick-release coupling for easy filter change



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Water hygiene to prevent disease

In the reprocessing of medical devices and medical textiles there is the potential that the tap water used to remove disinfectant residues contains harmful pathogens. This problem is exacerbated when reprocessing is not followed by sterilisation, as happens with items such as flexible endoscopes. In these cases the final rinsing with water can lead to the reintroduction of pathogens into the channels of the endoscope after it has already been cleaned and disinfected. To remove disinfectant reliably and without risk of recontamination the Robert Koch Institute (RKI) has, since 2002, recommended that endoscopes be reprocessed using sterile filtered water.

In its current recommendations on reprocessing medical devices, in the section on "Hygiene requirements for the reprocessing of flexible endoscopes and endoscopic accessories", RKI's Hospital Hygiene Commission says: "For final rinsing, water must be used that is microbiologically potable and free from facultative pathogenic microorganisms. A sufficient quantity of microbiologically impeccable water for final rinsing can be produced by sterile water filters."

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Baclyser® WA is a CE-marked medical device and has been developed specially for the sterile filtration of water in the supply pipes of equipment for reprocessing medical devices. It is equipped with a 0.2 µm hollow fibre membrane for microfiltration ensuring bacterial retention resulting in 7 log reduction of *Brevundimonas diminuta*. This complies with the FDA definition of sterile filtered water. The filter holds back any waterborne microbes in the water system

such as *Pseudomonas* and *Legionella* bacteria. Filtration does not alter the chemical composition of the water. The Baclyser® WA filter supplies sterile water at a high initial flowrate of 22l/min. The quick-release coupling of the filter connections and the aqua stop incorporated into the filter inlet allow an easy filter change. After the end of its service life the filter can be disposed of in the appropriate way.

Technical data

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|--------------------------|-------------------------------------|-----------------------------|--|
| ■ Size: | L 150 mm x ø 61 mm | ■ Flow rate: | 22 l/min
(initially, at 5 bar and 20°C) |
| ■ Bacteria retention: | 7 log steps, (<i>B. diminuta</i>) | ■ Max. operating pressure: | 5 bar |
| ■ Pore size: | 0,2 µm (microfiltration) | ■ Operating temperature***: | ≤ 40°C |
| ■ Operating time*: | up to 1 month | ■ Connection: | Quick-release Coupling |
| ■ Chlorine resistance**: | ≤ 10 ppm | ■ Certification: | |

* The operating time depends on user-specific water quality, pressure conditions, frequency of use and the flow-through rate required.

** Continuous dosage of ≤ 10 ppm over operating time; short-term (1h) high dosage (400,000 ppm) for chemical disinfection.

*** Application with higher temperatures only after consultation with Aqua free.

Adaptation accessories available on request.

About Aqua free

Aqua free GmbH was founded in 1999 and has become established as one of the leading manufacturers of membrane filters in the medical world. As well as hollow fibre membrane filters our engineers are continually developing further innovative hygiene solutions for drinking water installations in medical settings with a strong focus on the needs of customers.

Aqua free is a certified manufacturer of medical devices as defined by EN ISO 13485. The products in our range are manufactured at our locations in Germany and Belgium. Our filters feature quick-release fastening for easy and rapid installation and provide immediate reliable protection against waterborne pathogens.