

Baclyser® S (3M)



Point-of-use shower filter

- Safe protection against waterborne bacteria
- CE-marked medical device
- Operating time of up to 3 months
- Hygienic design to avoid retrograde contamination
- MetalSkin Medical® – highly effective and stable bactericidal coating



For more information visit
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Prevention through water hygiene

Water supply systems are a major source of nosocomial infections. Point-of-use membrane filters – installed directly at the water outlet – are an established method of protecting patients against waterborne bacteria. In medical facilities, point-of-use bacterial filters are used either reactively, as an immediate solution in the event of contamination with pathogens such as Legionella or Pseudomonas or proactively, to deliver consistent protection to high risk patients from the ever present risk of infection.

Health Technical Memorandum (HTM04-01) highlights the use of point-of-use filters as an acceptable control measure in healthcare environments. Part B: *Operational Management* indicates that, in high risk areas such as haematology, oncology, neurosurgery, transplant units or accommodation for older people, point-of-use filters should be considered in the event of any positive Legionella or Pseudomonas sample results.

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The Baclyser® S (3M) point-of-use water filter is a CE-marked medical product. It is a disposable shower head enclosing a hollow fibre membrane water filter with a proven retention efficiency of 7 Log steps for *Brevundimonas diminuta* (the smallest water bacterium). This complies with the FDA definition of sterile filtrated water. Thus, all waterborne bacteria such as Pseudomonas and Legionella are blocked by the filter. Additionally the shower head has been hygienically designed using material with bactericidal properties (shower rose coated

with copper-polymer matrix) to help prevent retrograde contamination. The filter is designed to deliver a consistent bacteriological performance at the design flow rate for the up to 3-months dependent on water quality. On expiry of the operating time, the used shower head should be changed and disposed of responsibly. The shower head can be easily changed thanks to its G½" screw thread. The individual product labelling on each shower head provides traceability and supports the hospitals documentation processes and hygiene routines.

Technical data

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|--------------------------|------------------------------------|-------------------------------|--|
| ■ Size: | L 220 mm, Ø 44 mm | ■ Flow rate: | 10 l/min (at 5 bar, at 30 °C) |
| ■ Bacteria retention: | 7 log steps, <i>Brev. diminuta</i> | ■ Max. operating pressure***: | 5 bar |
| ■ Pore size: | 0.2 µm | ■ Max. operating temperature: | 60°C (70 °C (≤ 30 min. over the operating time)) |
| ■ Operating time*: | max. 3 months (93 days) | ■ Connection: | G½" screw thread |
| ■ Chlorine resistance**: | ≤ 10 ppm | | |

* Depending on the water quality.

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

*** Not suitable for connection to low-pressure systems (e.g. boilers).

About Aqua free

Since formation in 1999 Aqua free GmbH has become established as one of the most innovative and leading water hygiene solutions providers in the medical field. Our dedicated Research and Development team is continually looking at innovative hygiene solutions focusing on a wide range of Medical and Commercial applications, always

with a clear focus on customer needs. Aqua free is certified as a medical product company according to EN ISO 13485. All medical products are Made in Germany and characterized by their ease of use, simple and quick connection and delivering immediate reliable protection from waterborne bacteria.