

Baclyser® S (1M)



Point-of-use shower filter

Preventing bacterial nosocomial infectious diseases caused by *Pseudomonas aeruginosa*, *Legionella pneumophila*, *Stenotrophomonas maltophilia* or *Staphylococcus aureus* among immunosuppressed and immunocompromised patients.

- Safe protection against waterborne bacteria
- CE-marked medical device
- Operating time of up to 1 month
- Hygienic design to avoid retrograde contamination



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 1(M) point-of-use, hollow-fibre shower filter is a CE-marked medical product. This disposable water filter is a point-of-use, sterile filter with a 0.2 µm hollow-fibre membrane which displays retention of at least 7 log units¹ in accordance with the FDA standard², thereby offering reliable protection of patients from infections by all critical water-borne germs such as legionella, pseudomonas, staphylococci or stenotrophomonas over a service life of up to 4 weeks and depending on the respective water quality. The chemical composition of the water is not altered.

The hygienic design and the use of bacteriostatic material in the housing and bactericidal material at the filter outlet prevent retrograde contamination incurred by splash water or physical contact. On expiry of the service life, the respective filter must be changed and disposed of in an environmentally-friendly manner via material recycling. This filter change is easy to complete thanks to installation of the appropriate adapter arms. An individual product marking on each filter guarantees traceability and facilitates the documentation process within the framework of hospital hygiene procedures.

¹ Measured in accordance with the international ASTM F838-15a standard - Standard Test Method for Determining Bacterial Retention of Membrane Filters Utilized for Liquid Filtration

² Source FDA - Guidance for industry-sterile drug products - September 2004

Technical data

■ 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. 1 month (31 days)	■ Connection:	G½" screw thread
■ Chlorine resistance**:	≤ 10 ppm	■ Certification:	

The shower filter is also available as a gamma sterilized product **Baclyser® S (1M) sterile**.

* 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.