

Baclyser® WG



In-line hollow fibre membrane filter delivering safe, sterile water to birthing pools

- Effective protection against waterborne pathogens
- Sterile filtration for reliable water hygiene
- High flow rate
- Operating time of up to 3 months
- CE-marked medical device
- Quick-release couplings for easy filter changing



For more information visit

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Water hygiene prevents disease

Waterborne bacteria such as *Pseudomonas* and *Legionella* are a regular cause of infection. Despite stringent drinking water requirements, these facultative pathogens can become established and multiply in biofilms within a building's water system. Membrane filters make it possible to filter out harmful bacteria and provide the safest possible protection, particularly in health-care settings, as they provide a physical barrier preventing bacteria coming into contact with patients.

A water birth is an important environment to protect against potential infection because pathogens in the water can cause severe infections to both mother and baby. The use of an in-line membrane filter in the supply line to the birth pool provides the peace of mind of reliable protection against waterborne bacteria from the water system.

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Baclyser® WG is a CE-marked medical device and has been developed specially for the sterile filtration of water in the supply line of birthing pools. It is equipped with a 0.2µm 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 thus holds back all microbes present in the water system such as *Pseudomonas* and *Legionella* bacteria.

Filtration does not alter the chemical composition of the water. Baclyser® WG supplies microbe-free water at a high flow rate allowing rapid filling of the pool. The quick-release coupling of the filter connections and the aqua stop incorporated in 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

■ 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 3 months	■ Connection:	quick-release coupling
■ Chlorine resistance**:	≤ 10 ppm		

* 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 prior 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.