

Baclyser® IL DENT



Hollow fibre membrane filter for dental units

- Effective membrane filtration protecting against waterborne bacteria in dental units
- Safe water hygiene
- High flow rate
- Up to 6 months operating time
- CE-marked medical device
- Easy filter change via push-fit quick-release coupling



For more information visit
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Prevention through water hygiene

The supply water to dental units is used for a variety of applications such as cooling, rinsing and filling the beaker. The water used will usually be from the public water supply. But despite stringent drinking water standards, biofilm formation in the water pipes encourages the proliferation of pathogenic bacteria such as legionella and pseudomonas. This leads to the contamination of the dental unit and combined with potentially long stagnation times and heating of water within the dental unit

leaves patients and staff at risk of infection. Complying with international standards, the Robert Koch-Institute (RKI) recommends a legionella count of less than 1 CFU/ml in the cooling water of dental units. For immunodeficient patients there are even stricter requirements. The use of a membrane filter at the water supply inlet to the dental unit eliminates bacteria and supports the overall water hygiene of the unit and dramatically reduces the need for excessive sanitation measures.

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The Baclyser® IL DENT is a CE-marked medical device specifically designed for in-line installation in the cold water supply to dental units. The Baclyser® IL DENT features a hollow-fibre membrane which, without affecting the chemical composition of the water in any way, delivers a 7-Log reduction of *Brevundimonas*

diminuta which complies with the FDA definition of sterile filtered water. The Baclyser® IL DENT ensures the reliable protection against waterborne bacteria from the water supply to the dental unit over the whole operating time of up to 6 month.

Technical Data

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|--------------------------|-------------------------------|----------------------------|---|
| ■ Size: | L 118 mm x ø 47 mm | ■ Flow rate: | 13 l/min
(at 5 bar, 20°C) |
| ■ Bacteria Retention: | 7 log steps <i>Brev. dim.</i> | ■ Max. operating pressure: | 5 bar |
| ■ Pore size: | 0.2 µm (microfiltration) | ■ Operating temperature: | ≤ 40°C |
| ■ Operating time*: | up to 6 months | ■ Connection: | Push-fit quick-release coupling
ø 8 mm |
| ■ Chlorine resistance**: | ≤ 10 ppm | | |

* The operating time is dependent on site specific water quality, the pressure ratios, the usage frequency and the required flow rate.

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

About Aqua free

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

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