

7. TECHNICAL DATA



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

* 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.

8. STORAGE

The Baclyser® filter must be stored correctly, i.e. dry and hygienically, as well as protected from frost and heat.

9. PRODUCT MARKINGS



Manufacturer



Medical device



Batch code



Consult instructions for use



Non-sterile



Do not use if package is damaged



Expiry date



Store in a dry place

Aqua free is EN ISO 13485 certified.



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Aqua free

Instructions for use

Baclyser® IL DENT



- Inline hollow-fibre membrane filter for water hygiene in dental units



Instructions-for-use-Baclyser IL DENT-03/2018-V002



1. Product

The Baclyser® IL DENT Filter is a **CE**-marked medical device that has been developed specifically for inline installation in the water supply pipes of dental units. The filter offers effective protection from waterborne bacteria utilising a hollow fibre membrane with a bacterial retention of 7 Log (*Brev. Dim.*).

The ø8mm push-fit quick couplings provide safe and secure installation as well as quick and easy filter changes.

2. Preparing for installation

Note: *Disinfect your hands prior to preparing the filter for installation and wear disposable gloves.*

- Turn off the water supply of the unit prior to installation of the filter.
- Disconnect the water pipe at the point where the filter is to be inserted (e.g. at the corner valve in the base of the unit).
Caution! Residual water can leak out of the pipes.
- Attach suitable hose adapters (see accessories) to the separated ends to allow the ø8mm hoses to be fitted (Note: seal the screwed connection using Teflon tape).
- We recommend installing an additional shut-off valve (see accessories) in front of the filter to facilitate future filter changes.
- Cut the connecting ø8mm hose pieces (red and blue – see accessories) to the required length keeping the blue hose as short as possible.

- Install the connecting hoses as follows:
 - Insert the red (inlet) hose as far into the hose adapter as possible.
 - Insert the blue (outlet) hose as far into the hose adapter as possible avoiding microbial contamination of the hose outlets and adapters.
 - Check that the push-fit connection is secure by pulling on the hoses (Secure the connection with a locking clip if required).



3. Installing the filter

Attention: *Before installing the filter, ensure that the dental unit is spotlessly clean. This can be ensured by completely overhauling the unit and replacing water pipes and hoses to eliminate any possibility of microbial contamination.*

Note: *Disinfect your hands prior to fitting the filter and wear disposable gloves. Turn off the water supply. Disinfect the outer surfaces of the connecting hose ends using an alcohol based surface disinfectant. Only use filters which are in their original packaging.*

- Take the filter out of the packaging. Ensure that the filter outlet is not contaminated.
- Note the flow direction (arrow) of the filter during installation.
- Attach the inlet side (A) of the filter pushing the red Ø 8 mm hose in as far as it goes.
- Attach the outlet side (B) of the filter pushing the blue Ø 8 mm hose in as far as it goes.

Note: *The G½" screw thread at the filter ends must not be used for connection; only the push-fit coupling must be used!*

- Check the push-fit connection by pulling on the hoses.
- If required, secure the connection with locking clips.
- Turn on the water supply once the filter is installed. Check the flow to the unit is adequate and that all connections are free from leaks.

Installation Example:



4. Operation

- The filter must be changed max. 6 months after installation. If the water flow reduces as to be insufficient for intended use the filter should be changed immediately.
- Note the next date for changing the filter on an adhesive label and stick it to the filter where it is clearly visible.
- The filter housing can be wiped clean on the outside using a standard surface disinfectant.

- We recommend turning off the water supply to the filter if the unit is not used for long periods and to check the system tightness at regular intervals.

In the event of a deviation from the specification, the product should be returned to Aqua free using the “Complaints Report” form (which can be downloaded from www.aqua-free.com).

5. Dismantling and changing the filter

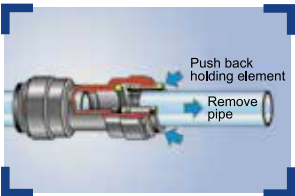
Note: *Disinfect your hands prior to fitting the filter and wear disposable gloves.*

- Turn off the water supply.
 - Release any water pressure by short pressing the flushing function on the dental unit
 - Release the filter connections:
 - outlet side first (B; blue hose)
 - then the inlet side (A; red hose) of the filter
- The hoses stay on the adapters and can be replaced as required.

Attention: Residual water will leak out. Collect it in a bag or container and put the used filter into a bag. Ensure that the free hose connections are not contaminated.

Note regarding release of push-fit connectors:
Push the retaining ring against the filter body and pull out the hose.

- Dispose of the used filter in the appropriate way.
- Install the new filter as described in 3.



6. Accessories

Accessories are not included in the standard scope of supply but can be ordered separately, e.g.

- ø 8 mm hose sections in red and blue
- G¾" external thread Adapter on ø 8 mm hose
- G¾" internal thread Adapter on ø 8 mm hose
- Shut-off valve for ø 8 mm hose
- Locking clips for the push-fit connections
- 90° Flow Bend Clip for ø 8 mm hose