

## Specialist Healthcare Water Filter Services

As specialists in healthcare water management, HBE have added an important element to their range of services which provides infection control teams and estates managers with a high quality, cost saving alternative to disposable filters.



HBE has joined forces with Aqua free Membrane Technology, the manufacturer of a range of award winning disposable and reusable membrane filters based on hollow fibre membranes.

This unique service combines the concept of reusable or reprocessible membrane filter technology with HBE's trusted monitoring services, which is specifically designed to suit the needs of the healthcare sector.

Imagine a service where the highest quality filters are installed and tested by HBE's qualified technicians to meet the highest microbiological quality water standards required to keep your high risk patients safe.

HBE exchange the reusable filters at the correct intervals for your environment\* during routine visits, thus providing you with a level of continuous protection you can rely on.

Finally, HBE returns your used filters to the specialist cleaning centre for reprocessing.

Overall, the whole process is significantly more cost effective than simply replacing disposable filters.

From start to finish, this unique service is delivered by HBE's highly trained and experienced technicians, to give you complete peace of mind.

### Why use Aqua free Membrane Filters?

The Aqua *free* products incorporate award winning filter membranes that use hollow fibre technology. The bacteria retention of the hollow fibre membrane filter is determined by the pore size (0.2  $\mu\text{m}$ ) of the membrane. For example, the membrane of the Germlyser<sup>®</sup> filter shows a log-7 reduction of bacteria tested with *Brevundimonas diminuta*.



Depending on the type, hollow fibre membrane filters contain between 2,000 up to 4,000 micro tubes. These so-called hollow fibres are encased on both ends with potting so that only the openings are accessible. Water is forced into the hollow fibres and is filtered by the pores of these fibres.

During the filtration process, the chemical condition of the water will not be changed. The technology is therefore stable and enables a defined cleaning and reprocessing process for the filter.

These are award winning filters that you can trust. Both the filters and the technology behind it have been awarded the Innovation Prize 2002 of the City of Hamburg and funded by the Deutsche Bundesstiftung Umwelt (German Federal Environmental Foundation).

### Reprocessing technology that saves you money

Aqua *free* filters can be reprocessed up to 50 times. Indeed, the patented technology in Aqua *free's* construction is the only reusable membrane filter fulfilling the requirements of the Robert Koch Institute for reprocessing of medical devices.

The housing of the Aqua *free* point-of-use membrane filters is made from plastic, including an additive with special bacteriostatic properties. This prevents the growth of bacteria which may reach the filter through splash water or contact (retrograde contamination).

These factors support the cost effective solution that HBE can provide to the healthcare sector.



These award winning filters use proven hollow fibre membranes and housing with special bacteriostatic properties to provide protection you can trust for your patients, whilst delivering the cost savings through the use of innovative reprocessing technologies.

In summary, HBE's Water Filter Service provides you with:

- Award winning filter membranes using technology you can trust;
- Installation, testing and exchange management by highly qualified and experienced HBE technicians;
- Cost efficiencies through the use of reprocessing technologies;
- Reduction of waste to support your green credentials through the use of reusable filters.

To find out more, call our specialist Healthcare team on **0845 639 9673 /or +353 1 257 3141** from Ireland, email [sales@hberm.com](mailto:sales@hberm.com) or visit [www.hberm.com](http://www.hberm.com)

\*The operating time can be increased up to 8 weeks, if sufficient hygiene measures exist and a corresponding hygiene plan is carried out and implemented. Aqua free recommend monitoring by corresponding clinical, microbiological examinations.

