

## Baclyser® IL3, IL5, IL10



### Inline hollow-fibre membrane filter for water hygiene in medical facilities

- Effective protection against waterborne bacteria through sterile filtration
- High flow rate
- Flow volume of 3,000, 13,000 or 56,000 litres (guide value)
- CE-marked medical devices
- Connection options: 8 mm push-fit quick-release coupling or G $\frac{1}{2}$ " screw thread



For more information visit  
[www.aqua-free.com](http://www.aqua-free.com)



**Aqua free Solutions Ltd.**  
 The Media Centre  
 7 Northumberland Street  
 Huddersfield, HD1 1RL, Great Britain  
**E-Mail:** info@aqua-free.co.uk  
**Phone:** +44 (0)1484 483045

certified  
 EN ISO 13485



**Headquarters: Aqua free GmbH**  
 Winsbergring 31  
 22525 Hamburg  
 Germany

**E-Mail:** info@aqua-free.com  
**Phone:** +49 (0)40 46899990  
**Fax:** +49 (0)40 46899999

## Baclyser® IL3, IL5, IL10



### Prevention through water hygiene

In Medical centers across the developed world and despite stringent drinking water standards we see waterborne bacteria such as pseudomonas and legionella bacteria repeatedly threatening patient safety. These pathogenic bacteria breed and multiply in biofilm buildup in drinking water pipework.

Membrane filters are established in the Medical sector as the most reliable method of protection against waterborne bacteria as the filter ensures that the bacteria remain contained within the pipework ensuring patient protection.

### Baclyser® IL

The Baclyser® IL are a range of CE-marked medical devices for inline installation in cold water supplies to medical appliances. The Baclyser® IL features a hollow-fibre membrane for micro-filtration resulting in a 7-Log reduction of *Brevundimonas diminuta*. Thus, all waterborne bacteria such as pseudomonas and legionella are blocked. This complies with the FDA definition of sterile filtrated water. Filtration does not alter the chemical composition of water. The Baclyser® IL range

is designed to suit the customer needs. Baclyser® IL3/IL5: suits installations where space is at a premium. Baclyser® IL5/IL10: deliver high flow rates. The flow volumes shown in the table are for guidance only. The particular filters operating time is dependent on the flow volume and water quality. The Connection options of 8 mm push-fit and G½" screw thread offer ease of installation and changeability. The used filter should be disposed of responsibly.

### Technical data

	Baclyser® IL3	Baclyser® IL5	Baclyser® IL10
Size	L 118 mm x Ø 47 mm	L 150 mm x Ø 61 mm	L 210 mm x Ø 68 mm
Bacteria Retention	7 log steps <i>Brev. dim.</i>	7 log steps <i>Brev. dim.</i>	7 log steps <i>Brev. dim.</i>
Pore size	0,2 µm (microfiltration)	0,2 µm (microfiltration)	0,2 µm (microfiltration)
Flow volume*	3,000 litres	13,000 litres	56,000 litres
Chlorine resistance**	≤ 10 ppm	≤ 10 ppm	≤ 10 ppm
Flow rate (at 5 bar, 20°C)	13 l/min	22 l/min	30 l/min
Max. operating pressure	5 bar	5 bar	5 bar
Operating temperature***	≤ 40°C	≤ 40°C	≤ 40°C
Connection	Variant S: G½", screw thread AG Variant P: Push-fit quick-release coupling Ø 8 mm	Variant S: G½", screw thread AG Variant P: Push-fit quick-release coupling Ø 8 mm	Variant S: G½", screw thread AG Variant P: Push-fit quick-release coupling Ø 8 mm

\* Guide value recorded at a flow rate of 6 l/min. and mains water quality at 5 bar; user-specific water quality, pressure conditions and the requisite flow rate have an influence on the flow volume and filter operating time.

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

\*\*\* Application with higher temperatures only after consultation with Aqua free.

### 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.