

## AS SHOWER



### Point-of-use filter protection against Legionella

The **AS SHOWER** can be easily installed onto a standard shower hose and provides immediate protection through the integrated hollow fibre membrane filter

- Reliable and immediate protection against Legionella
- Cost Effective
- Easy and quick installation
- Compatible with thermal or chemical disinfection procedures
- Express delivery options



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



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### Water hygiene

In the UK, drinking water is assumed to be clean water. Indeed there are strict guidelines which the Water Supply companies follow to ensure that the water they supply is of an acceptable standard for the general population. However what happens to that water when it enters public building, hotels, our workplace or even our own home? The quality of the water which arrives at the tap or shower outlet can be adversely affected by the water system within a building and how that water system is managed. Water tank hygiene, stagnation and temperature can all allow bacteria such as Legionella to proliferate. Legionella

bacteria enters the body through the inhalation of water particles and causes, on average, 200 cases of Legionnaires disease in the UK each year with between 10 and 20 % of those cases being fatal. The Health and Safety Executive has published an Approved Code of Practice for Legionella (L8) which provides guidance for Employers and Facility Managers to help them comply with their legal duties. Point-of-use filters – fitted to any water outlet such as a tap or shower – are seen as an effective barrier to bacteria exiting the water system, allowing time for a permanent safe engineered solution to be implemented.

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Legionnaires' disease is usually spread by the breathing in of water vapour containing Legionella bacteria which is then deposited on the lungs. The bacteria thrives in water temperatures between 25 and 45°C and so showers by their very

nature create an ideal environment for the bacteria to spread. The **AS SHOWER** filter provides reliable and immediate protection against Legionella, removing bacteria at the point of use, allowing users to shower safely.

### Installation

The installation of the **AS SHOWER** is easy: simply replace the existing shower head with the **AS SHOWER**. There is no need to change filter cartridges or carry out the periodic internal disinfection of the shower head – simply use the **AS SHOWER** for the prescribed operating time and then replace it with a new one. Additionally, the **AS SHOWER** can be used during thermal or chemical disinfection without affecting the filter performance.

### Fields of application

- Residential & nursing homes
- Hotels
- Private homes
- Leisure facilities

### Technical data

- Dimensions: L 220 mm x Ø 44 mm
- Legionella retention: 99.99999 %
- Membrane: Hollow fiber
- Operating time\*: up to 2 months
- Chlorine resistance\*\*: ≤10 ppm

- Flow rate: initial 10 l/min.  
(at 5 bar and 30°C)
- Max. operating pressure\*\*\*: 5 bar
- Max. operating temperature: 60°C (at 70°C ≤ 30 min. over the operating time)
- Connection: G½"-thread
- Certification:



\* Depending on water quality.

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

\*\*\* Not suitable for connection to low-pressure systems (e.g. boilers).

### About Aqua free

Aqua free GmbH was founded in 1999 and is now established as one of the leading manufacturer of Water Hygiene products in Europe. Our Research and Development team are focused on continually developing innovative water hygiene solutions to suit domestic, commercial and medical applications, always

with a strong focus on customer needs. Aqua free products are manufactured and tested at our facilities in Germany and Belgium. The Aqua free products are characterized by their simple installation, ease of use and immediate, reliable protection from waterborne bacteria.