

AS SHOWER chrome



Point-of-use filter protect your guests against Legionella

The **AS SHOWER chrome** can be easily installed onto a standard shower hose and provides discrete and immediate protection through integrated hollow fiber membrane filter.

- Elegant and safe protection against Legionella
- Optimal price-performance ratio
- Express delivery possible
- Compatible with thermal or chemical disinfection procedures
- Easy and quick installation



For more information visit
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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 buildings, 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. Legionnaires' disease was first identified when over 2,000 ex-service men gathered at an annual convention in Philadelphia. They all stayed in the same hotel and some contracted the disease from the hotel's water supply. As a result over of

the outbreak 130 individuals were infected with 25 fatalities. The nature of hotel accommodation means that room usage is seasonal which can lead to water stagnation and water temperatures in a range which encourage legionella bacteria to thrive. Hotel guests will also be exposed to aerosols when using the showers and legionella bacteria enters the body through the inhalation of water particles. Based on figures from Public Health England, of the 300+ reported cases of legionella infection in England and Wales annually, around 40 % can be associated with travel abroad with Spain being the most frequent destination of infected travelers. Point-of-use filters used on the shower outlet in hotels is an effective barrier to bacteria exiting the water system, protecting both guests and staff.

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

Fields of application

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

Technical data

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|--------------------------|--------------------|-------------------------------|--|
| ■ Dimensions: | L 220 mm x Ø 44 mm | ■ Flow rate: | initial 10 l/min.
(at 5 bar and 30°C) |
| ■ Legionella retention: | 99.99999 % | ■ Max. operating pressure***: | 5 bar |
| ■ Membrane: | Hollow fiber | ■ Max. operating temperature: | 60°C (at 70°C ≤ 30 min. over the operating time) |
| ■ Operating time*: | up to 2 months | ■ Connection: | G½" -thread |
| ■ Chlorine resistance**: | ≤10 ppm | | |

* 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.