

Pay £30 and Avoid Manslaughter Charges

Someone catching legionnaires' disease from your water system could result in manslaughter charges being brought. With an estimated 9000 cases a year, many from showers, it is worth spending £30 to help avoid a case for you.

Shower-Safe is a simple, economic, natural and sustainable product that kills legionella bacteria in the stagnant water of a shower. It comes as a very simple retro fit kit requiring no power and does not waste water.

The standard recommended method of controlling legionella bacteria is with temperature. By keeping cold water below 20°C the omnipresent bacteria will not multiply and become a problem. By passing hot water through a phase at 60°C the water will be sterilised and the legionella bacteria killed off.

However, there are two places on a water system where temperatures suitable for the bacteria to grow are unavoidable.

In the middle of a calorifier the water is inevitably lukewarm hence the bacteria can multiply. This is not normally a problem because the bacteria will be killed by the high temperatures at the top, through which the water passes, on its way into the system. Only under fault or overload conditions could the bacteria survive the sterilisation at the top of the calorifier.

The other location is after a mixer valve. In a mixer valve the sterile hot water mixes with the cold water containing the ubiquitous legionella bacteria. The result is water at an ideal temperature for the bacteria to multiply and given time it will multiply to dangerous numbers. Sink and bath mixer valves are recommended to have minimum lengths of pipe work to minimise this risk.

Showers, however, have longer lengths, often with internal plastic surfaces. Biofilm can form on these plastic surfaces giving the bacteria nutrients and a hiding place. It is also easy to breathe in contaminated water droplets from a shower. Current health and safety recommendation are for a weekly flush. Flushing only dilutes the problem, particularly with the biofilm's tenacity to stay put.

Shower-Safe attacks this problem of the bacteria developing and hiding in the shower. Shower-Safe uses the proven technology of silver being a natural biocide and copper a natural destroyer of biofilm. Together the silver and copper do not allow the legionella bacteria to develop.

Shower-Safe is a natural, sustainable, economic method of preventing legionella bacteria developing in the stagnant water of a shower. It comes as a kit containing mesh beads of silver and copper. Half the beads are put in the shower head and half in the hose. Silvered filter washers retain the beads in their appropriate locations. The beads then give off ions into the water to do the required work.

Avoid a case with your water system, fit Shower-Safe