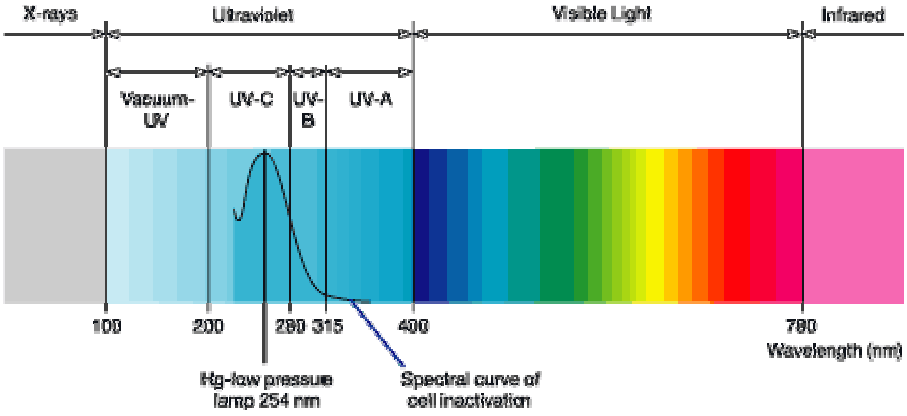
Complete Water Solutions

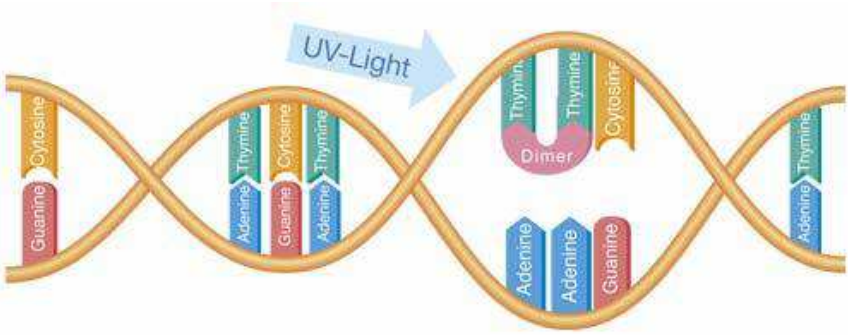
Tel: 01600 860 344
Email: info@filterclean.co.uk
Web: www.filterclean.co.uk
Company number: 1337705

Background information on ultra violet units

Ultraviolet light destroys bacteria naturally. It is a natural component of sunlight, falling just below the visible light region of the electromagnetic spectrum. Higher energy wavelengths of UV light have the unique ability to destroy micro-organisms (bacteria, viruses, cysts etc.) in water or air, stopping their ability to multiply and cause infection or illness.



Unlike chemical disinfectants, which rely on chemical oxidation to disrupt the life functions of micro-organisms, UV is simply light energy that cripples the DNA of harmful organisms. By disabling their DNA the life functions of these organisms are interrupted, rendering them harmless. Because no chemicals are involved, you don't have to worry about drinking harmful chemicals or their by-products.



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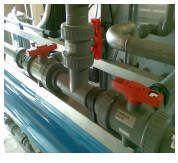
Ultraviolet systems do not affect the taste, odour or clarity of the water supply and require less energy than a typical household light bulb whilst disinfecting the entire water flow to your home. Using a special quartz glass, UV lamps are able to generate the exact wavelength of UV light required for disinfection. Specially designed power supplies and electronic controls operate and monitor these lamps for optimum performance. The UV lamp technology is encased within precisely engineered stainless steel disinfection chambers. This ensures that the UV energy is distributed effectively as the water passes through the unit. As a result, any harmful organisms present in your water are subjected to the required dose of UV energy.