BS EN-14897:2006 + A1:2007 – Guidance Notes

The above British Standard, fully entitled *"Water conditioning equipment inside buildings – devices using mercury low-pressure ultraviolet radiators – Requirements for performance, safety and testing"* provides a set of requirements – and a stringent protocol – for the testing of UV disinfection devices.

The purpose of this testing protocol is as follows:

- To verify a UV dose of 40mJ/cm^2 is achieved at the end of the lamp life, at specified (varying) flow rates and UV transmissions.

The testing protocol includes the use of *Bacillus subtilus* spores as a biodosimeter, to verify the disinfection efficacy when operating at these flows and UV transmissions.

Units that have been tested to this British Standard can state operating flow rates and UV doses, based on differing UV transmissions, which have been independently verified. The units have also been proven to have performed safely under these conditions.

Goodwater is proud to supply the market leading Tucana range of Ultra Violet disinfection units, which have been successfully tested to BS EN 14897:2006 + A1:2007, as well as being fully WRAS approved. Certification demonstrating compliance of these units with this British Standard (as attached) is supplied with every unit.

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