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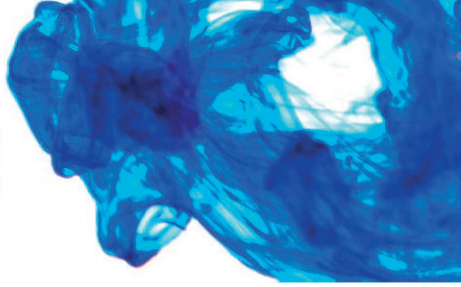


Issue 16 The information hub is designed to provide - mainly technical - information relating to Water Coolers and Boilers, to assist you with your work

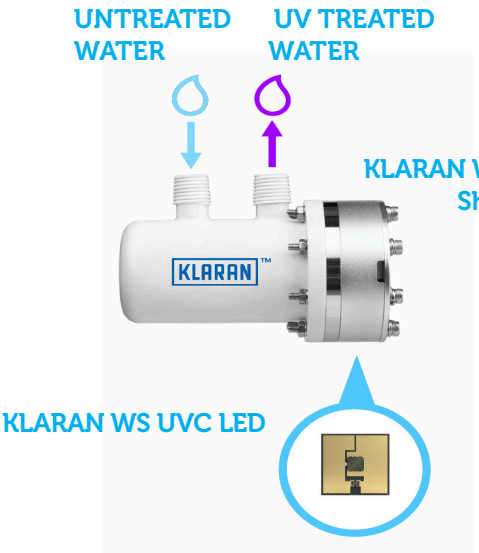
THE MICROBIAL PERFORMANCE OF THE KLARAN WS UVC LED PROCESSOR

The KLARAN Processor destroys 99%+ of Cryptosporidium, E-Coli, Pseudomonas and Legionella, as the water from a Direct Chill/Ice Bank Tank passes trough it on its way to the Dispensing Tap, this provides point of dispense disinfection.

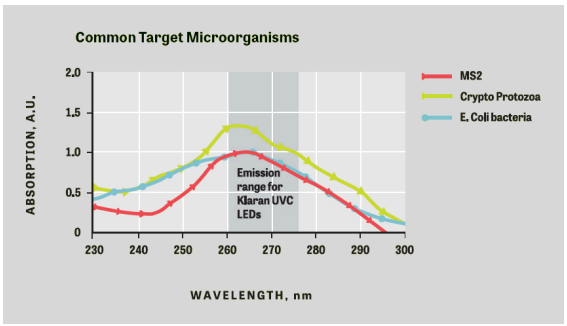
The process involves exposing the water to UVC LED radiation. UVC LED represents a major improvement over conventional mercury UV lamps, and over Chemical disinfection methods. Unlike UV Lamps, the UVC LED does not deteriorate in performance over time, is not affected by scale deposits and does not contain mercury.

Whilst chemical sanitising/disinfection methods require customer visits and can leave residual chemicals behind.

KLARAN WS UVC LED disinfects automatically 24/7 and is virtually "service free".

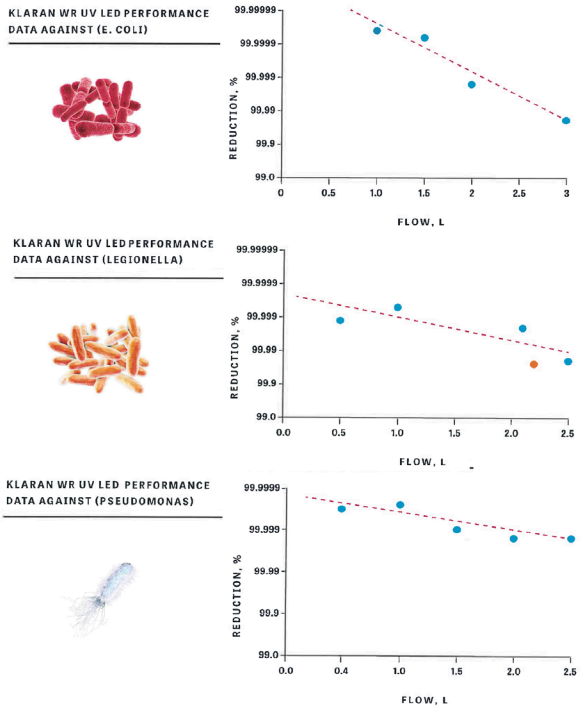


The KLARAN WS UVC LED Processor provides 24/7 safe drinking water from Direct Chill/Ice Bank Coolers, virtually "service free" and can be factory installed in AA First Coolers or purchased for self installation into your own Cooler park.



EMISSION RANGE FOR KLARAN UVC LEDs

KLARAN works with independent labs to test the performance of the KLARAN WS UVC LED Processor. Below is some of the independent Lab testing data.



Microbial Performance of the KLARAN UVC LED Shield

Organism	Flow Rate (Ltr/min)	Reduction (%)
E-coli	1.0	99.99994
Legionella	1.0	99.9996
Pseudomonas aeruginosa (SS40)	1.0	99.99937
Bacteriophage Qß (Q Beta)	1.3	95.73420

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