ecoFi

QUASAR

UVC-LED WATER TREATMENT

Model Code:

- **PWEBU**

Features:

- **Pathogen Control:** UVC-LEDs disinfect the water when it is being dispensed, eliminating the chance of recontamination and reducing over 99.99% of pathogens.
- **Pathogen Inactivation:** Effective against a wide range of water-borne pathogens, including Legionella and chlorine resistant micro-organisms such as Cryptosporidium and Giardia.
- **Chemical Free:** UVC-LEDs provide physical treatment of water without the use of harmful chemicals or altering taste.
- **Mercury Free:** Conventional UV lamps contain mercury, a hazardous material which requires special disposal. UVC-LEDs are mercury-free.
- **Freshield:** Alcove plastic is manufactured with our exclusive silver-based antimicrobial compound to prevent degradation and deterioration caused by bacterial growth.
- **Extremely Low Power:** UVC-LEDs do not transfer heat to the treated water.
- **Constant Protection:** UVC-LEDs pulse on every 15 minutes for a short duration to keep the dispense point sanitized.
- **Fail Safe:** Prevents water from dispensing if the QUASAR unit becomes disconnected or fails.
- **Long Life:** Will last three years or more because UVC-LEDs are only on during water dispense or standby mode constant protection.

MD-Cu29 ANTIMICROBIAL COPPER

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LEAD FREE

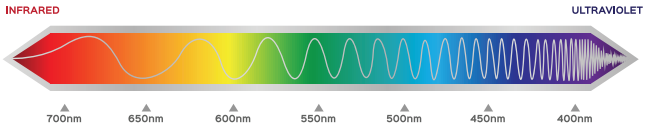
UVC LED PATHOGEN CONTROL.

Harmful bacteria in drinking water has become a rising concern. Hiding in the nooks and crannies of building plumbing systems, water-borne bacteria (such as Legionella) multiply, becoming a public health hazard. The rate of reported Legionnaires' cases has increased by 4 and-a-half times since 2000.

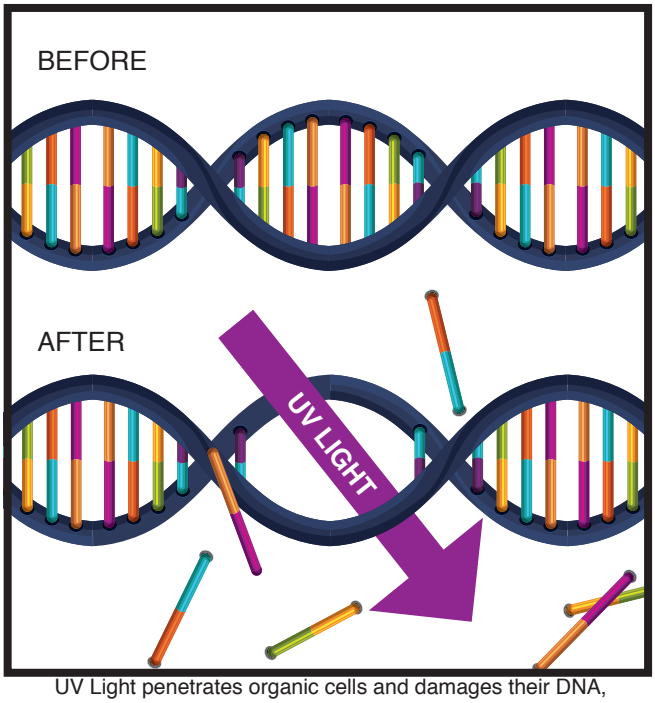
The EcoFIl QUASAR UVC-LED Water Treatment system uses UV-LEDs to protect people from Legionella and other harmful pathogens. Treating water at the point of dispense, QUASAR uses Light Emitting Diodes (LEDs) to generate high levels of UV photons. The rays are directed at viruses, bacteria, and other pathogens within drinking water to render those pathogens harmless in seconds.

UV represents wavelengths that fall between visible light and x-ray on the electromagnetic spectrum. UV photons penetrate harmful microscopic organisms and damage the DNA, rendering them incapable of reproduction.

UV-LED technology is used to biologically destroy harmful bacteria and viruses, without the use of chemicals or mercury-based lamps. The UVC-LEDs allow for instant full-intensity power, unlimited cycling, remote start/stop, and no heat transfer to the water.



UV Light exists between visible light and x-ray on the electromagnetic spectrum.



UV Light penetrates organic cells and damages their DNA, rendering them incapable of reproduction (micro-biologically dead).

EcoFIl

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