

# ULTRA VIOLET LIGHTS



## ULTRA VIOLET (UV) WATER FILTRATION

We offer both Wholehouse and Under sink Ultra Violet Lights, however, we would highly recommend for our clients to obtain a Wholehouse Ultra Violet Light as all the water in the entire house will be Bacteria FREE, picture yourself brushing your teeth, would you want to be doing so in Bacteria infested water? Ultra Violet water disinfection technology is widely used around the world to ensure safe water free from bacteria without the use of Chlorine or other unpleasant chemicals, eliminating the risk of overdosing or incurring bad taste. Ultra Violet energy causes inactivation of micro-organisms by disrupting DNA, therefore preventing the growth of bacteria and viruses.



## BACTERIA IN DRINKING WATER

Bacteria is found in many wells and occurs intermittently throughout the year depending on heavy rainfall. Ultra Violet filtration is usually used after some form of primary water treatment mainly softening to keep the ultraviolet system inner quarts sleeve clean and clear, keeping the water clear from bacteria.



## WHAT IS UV?

Ultraviolet (UV) light is at the invisible, violet end of the light spectrum. The water treatment industry uses a high-powered form of UV light called UV-C or "germicidal UV" to disinfect water.



## HOW DOES UV LIGHT WORK?

UV-C rays penetrate micro organisms and destroy their ability to reproduce, effectively rendering them harmless. It's a simple but effective process, destroying a minimum of 99.99% of harmful microorganisms, including E. coli, Cryptosporidium, and Giardia. Not only is it safe and highly effective, UV does not change the taste, colour, or odour of water. It simply removes the risk of illness caused by microbial contamination, making water safe.



## WHY NOT USE CHLORINE?

Chlorine changes the taste and odor of water. Chlorination may also produce harmful by-products that are linked to the incidence of cancer.

## WHO USES UV DISINFECTION SYSTEMS?

For more than 30 years, institutions, consumers and businesses have relied on environmentally friendly UV technology to disinfect their water supplies. Top candidates for UV disinfection systems include:

- Rural homes and cottages
- Hospitals & Schools
- Farms
- Pharmaceutical Companies
- Nursing homes
- Hotels & Restaurants
- Community water schemes
- Food & Beverage Companies

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## STERILIGHT MAX SERIES

Your authentic choice for acquiring pure water and water purification systems, Sterilight Max delivers high quality, with low defaults & easy installation. Providing a Trinitarian service : manufacture, trade and development of new technologies and new products.

### STERILIGHT MAX STANDARD FEATURES

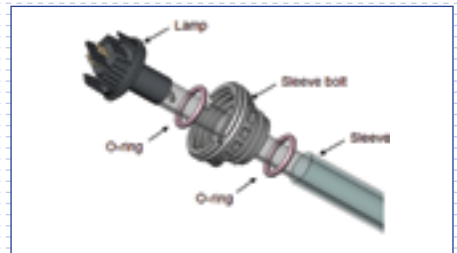
- Heavy duty stainless steel pressure vessel
- Heavy duty quartz sleeve
- High output, hard glass UV lamps for maximum efficiency
- CE ballast with lamp failure indicator and warning buzzer
- Ceramic end cap of UV lamp
- Working pressure 125PSI
- Low power consumption
- 9000 hours lamp life (approx. 1 year of use)
- Vertical or Horizontal installation
- UV light Monitor available

## TROJAN UVMAX™ PRO SERIES

The Trojan UVMax™Pro series uses a revolutionary amalgam based lamp with more intensity in a more compact footprint. These lamps have a two year lamp life therefore reducing maintenance time. A CoolTouch fan is included in every system in order to significantly reduce the water temperature in the reactor during times of low or no flow.

The system controller is equipped with an intuitive interface allowing for ease of maintenance and troubleshooting for the operator. A newly designed UV sensor offers a more reliable reading of the UV intensity of the lamp and with the push of a button you can confirm the proper operation of the sensor.

All systems in the Pro series have been tested and validated under the rigors of the NSF 55 Class A protocol and can be applied in any regulated type drinking water application.



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