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ULTRAVIOLET WATER STERILIZER

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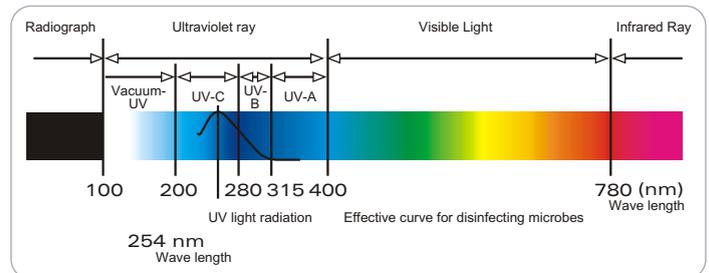
The knack of 1gpm PUREPRO UV system lies in applying the 254nm ultraviolet rays (UV-C) to cause immediate death for organisms or wipe out their ability to survive and reproduce.



How does th UV work for destroying the bacteria, virus and other micro-organisms

We all know sun light can be used in sterilizing, actually what functioned is Ultraviolet ray only. Ultraviolet was found about 200 years ago and through years of survey and experiment, science has proofed it's effect in killing the virus and bacteria. ultraviolet is divided by A, B, C waves and 240~260nm out of C wave is the most effective ray with sterilizing ability and the strongest point is 253.7nm. The light wave is able to kill the DNA of virus and bacteria and make it unable to reproduce.

Electromagnetic wave drawing



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Ultraviolet-ray sterilizing is one of the cleanest, most non-pollution, non-chemical, without any color and odor and leaves no residue, the most natural way to kill virus and bacteria. This technique is often applied for the following:

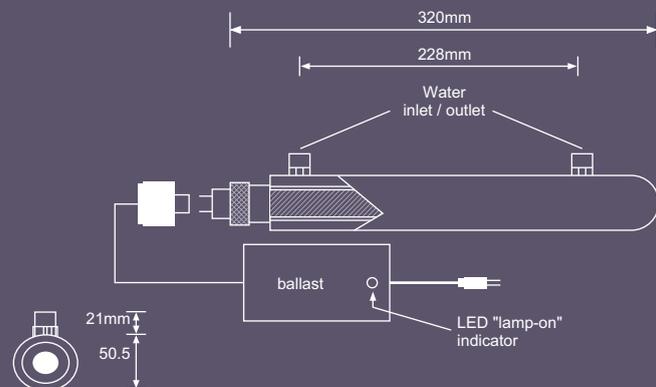
1. Household water supplies
2. Aquarium / Aquaculture
3. Laboratories
4. Medical and pharmaceutical industry
5. Food processing
6. Restaurants
7. Hospitals
8. Pollution abatement
9. Central water supply systems
10. Well water treatment
11. Water tower water treatment
12. Water supply stations
13. Bottled water treatment
14. Electronic industrial water purifying treatment

Features of Ultraviolet Water Sterilizer :

1. Use high quality hard quartz material lamp and sleeve to keep high output of 253.7nm.
2. Quick and simple installation.
3. Long service life save your money.
4. Visual LED display indicator failure.
5. Polished stainless steel reactor chamber strengthen the UV reflection.
6. The most natural way to protect your water safely.
7. Easy lamp replacement and maintenance.
8. Wide application used in many water treatment areas.
9. Without adding any chemical complexes nor change the taste of odor of the water and does not remove any beneficial minerals in water.
10. Able to kill 99.9% destruction of bacteria and virus under standard water quality and flow.
11. Destroy bacteria and inactive various viruses.

Ultraviolet penetration rate in liquid:

- Distilled or Reverse Osmosis water : 3.0M
- Normal drinking water : 12.0CM
- Wine, Juice : 2.5MM
- Milk, Syrup, Blood : 0.5MM



Specification:

- Flow rate : Clean water : 0.5Gpm / 2.0Lpm
DI, R.O. water : 1.0Gpm / 4.0Lpm
- Voltage : 110V/60Hz / 220V/50Hz
- UV germicidal lamp : 6W x 1
- Ballast : 6W x 1
- Dimension : 50.5 x 320mm
- Inlet / Outlet size : 1/4" inch NPT
- Max. working pressure : 85PSI
- Chamber / housing : 304 stainless steel
- Lamp failure warning system : LED indicator
- Lamp average life : 5,000hrs



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