



Ozone or UV: A Beginners FAQ

Why Use UV or Ozone? Both UV and Ozone are effective disinfectants although both require a chlorine residual to properly disinfect pools. THE PRIMARY REASONS TO USE UV OR OZONE ARE:

- 1) BOTH WILL KILL BACTERIA AND VIRUSES THAT ARE CHLORINE RESISTANT OR CHLORINE IMMUNE;
- 2) BOTH WILL STOP CHLORINE ODOR BY ELIMINATING CHLORAMINES.

How does Ozone work in a pool?

-Ozone systems require a gas generating chamber and a venturi to inject gas into pool water.

-The half life of ozone (the effective life) is only seconds in pool water which is not long enough for it to contact most of the pathogens found in swimming pools.

-Ozone's effectiveness is also affected by water temperature and pH level, which fluctuate in swimming pools.

How does UV work in a pool?

-Ultraviolet equipment requires only an ultraviolet lamp housed inside a plastic chamber and has no moving parts.

-The NUVO UV chamber comes complete with plumbing fittings for inserting the chamber into any pool plumbing configuration.

-Using the existing pool pump, water is circulated through the UV chamber where pathogens are eliminated.

Conclusion:

-Most pool pumps are sized to circulate the entire volume of the pool water every day. This means most of the pool water is exposed to the UV chamber daily.

-For larger bodies of water, such as pools, UV is the more effective sanitizer because much larger amounts of water are exposed to disinfection.

-The effectiveness of UV is not affected by water temperature or pH levels, making it the better choice for use in swimming pools.