

Ozone Questions And Answers

1. What is Ozone?

Ozone is active oxygen, O₃. It occurs naturally in the Earth's atmosphere to protect us from the Sun's harmful rays.

2. What are some uses for Ozone (active oxygen)?

Some common uses are: Drinking Water Purification, Waste Water Purification, Air Freshening, Pool and Spa Water Purification.

3. How long has Ozone been used to purify water and remove odors from air?

Over 50 years.

4. How does Ozone used for water purification affect the air we breathe?

The amounts of Ozone produced by an OZONE GENERATOR are insignificant to the normal atmosphere we live in. Excess ozone converts back to oxygen. **NOTE: DO NOT BREATHE CONCENTRATED OZONE.**

5. Isn't Ozone the same as "SMOG"?

No! "Smog" is air pollution created by combustion pollutants. While smog contains small amounts of ozone, it is largely composed of harmful chemicals such as carbon monoxide. In fact, Smog and other pollutants may contribute to the damage of the "Ozone Layer".

6. If I use Ozone, will I help to replenish the "Ozone Layer"?

No. It takes such tiny amounts of Ozone to effectively purify water that any molecules breaking free into the air are insignificant.

7. Will Ozone hurt me?

No! In the quantities necessary to be effective, Ozone is very gentle to humans & equipment in water.

8. Will Ozone irritate skin?

No! Ozone is very gentle to skin.

9. Does Ozone have an odor?

Yes. Depending on the concentration, the odor ranges from slightly sweet to moderately antiseptic.

10. Why is Ozone better than Biocide?

In the quantities needed for water purification, it has no noticeable odor, or color. It is not irritating to humans or equipment. It purifies water and air very quickly and efficiently. It leaves no by-products except pure oxygen. In contrast, biocide can be very dangerous to the machine and the operator.

11. Will Ozone kill bacteria?

Yes. It is one of the most effective, complete bactericides of all Earth's measurable elements.

12. Will Ozone kill viruses?

Yes. Ozone kills virtually all known forms of viruses found water.

13. How is Ozone produced?

It can be produced in a number of different ways, however the most common method for water is Ultraviolet Light Generation.

14. How does Ultraviolet light Generation work?

A special lamp gives off a specific wavelength of ultraviolet light which converts Oxygen (O_2) molecules into Active Oxygen (O_3) molecules. This all occurs instantly inside the Ozone chamber in the OZONE GENERATOR.

15. How long will OZONE last?

Scientific theory states that Ozone has a half life of about 22 minutes in water. However recent tests have proven that a measurable residual can be found after several hours in clean water.

