

PureStar FAQ

1. What is ozone?

Ozone occurs naturally through ultraviolet (UV) sunlight and lightning. It is a gas composed of three oxygen atoms (O₃). Ozone can be human-generated by exposing oxygen (O₂) to UV light bulbs or through an electrical corona in an enclosed chamber. In swimming pools, ozone is a fast-acting, powerful oxidizer that kills bacteria, viruses, and microorganisms in water.

2. How do chlorine and ozone work together to sanitize pool water?

Think of ozone as a strike force and chlorine as an army brigade. Ozone acts quickly to eliminate contaminants like bacteria and viruses, allowing chlorine to address other contaminants in the water more effectively. Together, they optimize the health, safety, and clarity of the pool water for an improved swimming experience.

3. What is PureStar?

PureStar Corona Discharge Ozone Generator System is a patented plug-and-play ozone solution that installs in-line on the pool equipment pad, requiring less than 18" of horizontal pipe. It features a venturi injector with auto-regulating capabilities for hydraulic system efficiency, allowing it to work with variable-speed pumps even at lower speeds.

4. What are the benefits of PureStar for pool owners?

PureStar is an easy-to-install and maintenance-free upgrade that improves water health and clarity. Ozone improves water health and clarity by effectively killing water borne pathogens like viruses and bacteria without any harmful residual chemicals. Pool owners typically find they use less chlorine when adding ozone to swimming pools and swimmer's find ozone treated pools are more gentle on the skin and eyes.

5. Can ozone replace chlorine in the pool?

No, ozone is intended to complement primary sanitizers in pools, such as chlorine. It does not replace the need for a primary sanitizer but may lower the amount of chemicals needed to be added to the pool to ensure proper sanitation.

6. How does ozone impact pool maintenance?

PureStar is a maintenance-free, fully contained geodesic ozone generator that is easy to install, and works with almost any variable speed pump without increasing energy

costs. Ozone aids in easier filtration and removal of impurities by oxidizing and restructuring contaminants so pool service is faster and more efficient, ultimately saving time and money on general pool maintenance.

7. What differentiates corona discharge ozone from UV systems?

Corona Discharge systems are more efficient and produce higher concentrations of ozone compared to UV systems. They also require less maintenance than UV systems that use light bulbs to generate ozone and must be replaced at regular intervals.

8. How do you know if PureStar is working?

PureStar has visual indicators on the unit to let you know it is generating ozone. You will also see tiny bubbles near the return of filtered water.

9. How does ozone interact with other pool equipment?

Ozone systems generally integrate well with existing pool equipment. Their compatibility also simplifies maintenance, as pool operators often find it easier to maintain balanced water chemistry and clean equipment with ozone in use.

10. What is the warranty for PureStar?

PureStar is backed with a one-year warranty when properly installed to the manufacturer's specifications.

GENERAL INFORMATION ABOUT PURESTAR SYSTEM

How does the AquaStar PureStar system work?

The AquaStar PureStar system employs advanced ozone generation technology to aid in the oxidation process, which breaks down organic matter and various contaminants commonly found in swimming pools. While the PureStar system is a highly efficient ozone generator, it's important to understand that it serves as a supplementary system designed to enhance your pool's existing sanitation methods. It is not intended to replace traditional sanitizers like chlorine. When used in conjunction with an EPA-registered sanitizer, the PureStar system can optimize the overall cleanliness and clarity of your pool water.

What are the benefits commonly attributed to using ozone in pool water?

Ozone is highly regarded in the industry for its multiple advantages when used in pool systems:

Potential for Reduced Chemical Usage: Ozone is a powerful oxidizer that can sometimes allow for lower chlorine use, maintaining more stable pH levels in the pool.

Less Irritation: Reduced reliance on chlorine due to ozone can lead to less skin and eye irritation for swimmers.

Environmentally Friendly: Ozone stands out for its eco-friendly attributes. Unused ozone safely decomposes into oxygen. Additionally, when ozone oxidizes contaminants, it produces CO₂, a harmless by-product in this context. These oxidized particles are then captured by your pool's filter, enhancing water clarity over time.

For a deeper understanding of the benefits of ozone in pool and water treatment, consult official resources from the CDC and EPA.

How long does the PureStar system last?

Designed for durability, the AquaStar PureStar ozone generator includes a self-cleaning mechanism that extends its effective lifespan. However, like any piece of equipment, its longevity is influenced by factors such as usage frequency, proper maintenance, and water conditions. For optimal performance and longevity, it's important to follow the care and maintenance guidelines provided in the instruction manual.

One distinct advantage of the PureStar system is its corona discharge technology. Unlike UV bulb-generated ozone systems, where the glow of the bulb can misleadingly indicate active ozone production, the corona discharge method gives you a more reliable gauge of functionality. This not only adds to PureStar's operational transparency but also contributes to its long-term efficiency and reliability.

Is there a warranty?

Yes, the PureStar system comes with a one-year limited warranty from AquaStar Pool Products, Inc., covering defects in material and workmanship from the date of original installation. Some conditions and exceptions apply. For full details, please refer to the user manual or contact AquaStar's Technical Service Department at (877) 768-2717.