

Have you had your ozonator on your spa or pool for several years now? Is it Time to Replace Your Ozone Generator?

Keep your pool/spa free of bacteria and other harmful microorganisms. Keep your pool/spa at it's cleanest and clearest by replacing your ozonator and venturi injection system after 20,000 hours (or 2-5 years).

BENEFITS OF USING OZONE

Ozone destroys bacteria, molds, and mildew, eliminates spores, yeast, and fungus, deactivates viruses and cysts, and will oxidize and destroy oils and other contaminants in water. Ozone will reduce or eliminate the need for high levels of harsh chemicals such as chlorine and bromine, significantly reducing maintenance costs. Ozone aids in the removal of minerals such as iron and manganese. Ozone leaves no unpleasant chemical taste and is less corrosive than chlorine. Ozone dissolved in water will not irritate skin, nose, or ears, nor will it dry out or leave a chemical film on skin. Ozone does not affect the pH balance of water like traditional chemical treatment methods.



HOW IT WORKS

Many ozone generators utilize corona discharge technology to produce ozone. Ambient air is passed through the CD subassembly, which generates a very high voltage electrical charge. When air comes into contact with the electrical corona produced, (O₂) molecules in the gas are split apart. The resulting atoms (O₁), seeking stability, attach to other oxygen molecules, forming ozone (O₃). The output gas is injected into the water, where the ozone in the gas deactivates contaminants by actually rupturing the microorganism's cell walls. Purification occurs at the point of contact between the outside sphere of the ozone bubbles and the contaminants in the water. When the bubbles rise to the water's surface, the ozone degrades back into oxygen, leaving no harmful byproducts whatsoever.

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