

OZONE DISINFECTION SYSTEM

POOLS • SPA • THERAPEUTIC BATHS • LAUNDROMATS

Ozone is nature's natural purifier. This naturally occurring product is produced during lightning and electrical storms as well as when solar ultraviolet rays strike the earth's upper atmosphere. This is the famous Ozone layer which protects us from the harmful UV radiation produced by the sun.

Ozone is generated when an oxygen molecule (O₂) is exposed to high energy, ultraviolet (UV) light and is converted to an Ozone (O₃) molecule. This extra oxygen atom is what makes Ozone a highly "energetic" oxidizer.

Ozone's effects come when this "extra" oxygen atom is released and allowed to oxidize and destroy bacteria, viruses, as well as other organic matter in the water. Ozone can also break down harmful chemicals and act as a flocculant to coagulate various insoluble particles which can then be easily removed by the filtration system.

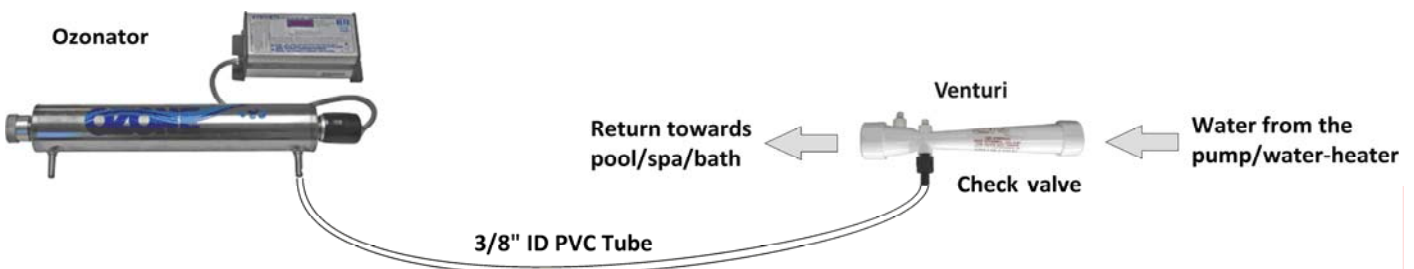
Ozone's powerful oxidizing abilities work in conjunction with your sanitizing agent (chlorine or bromine)* to provide a healthier, cleaner bathing

experience. As an oxidizer, Ozone eliminates objectionable chemical by-products such as chloramine or bromamine. The result: an ecological choice, totally environmentally safe.

* Present in concentration according to local regulations.

Benefits

- Effective and natural disinfection of water without changing its parameters (pH, alkalinity, etc.)
- Significant reduction of the use, handling and storage of chemicals
- Significant reduction in unwanted chemicals, such as chloramines and bromamines
- Significant reduction in skin irritation, red eyes, and respiratory problems
- Improvement of the clarity, smell and taste of water
- Reduced heating costs due to lesser water supply requirements



By going through the venturi, the water creates a large depression in the ozonator. The air is then drawn, allowing the UV lamp to turn O₂ molecules into O₃. Due to the suction in the venturi, this ozone is then injected into the water where thousands of small bubbles will form. Disinfection is then instantaneous. At the end of the cycle, ozone is retransformed back into oxygen.

Features

- Operation monitors and trip alarm.
- Display of the residual operation life of the UV lamp (in days) and total number of days of activity.
- Electronic ICE Controller providing constant current output, lower temperature operation and excellent efficiency.
- Sealed reaction cell (made out of 304 SS) to protect the electrical components and the external housing of the oxidizing effects of ozone.
- Stainless steel venturi available for laundry type applications using very hot water.
- Minimum Maintenance: Easy replacement of the lamp once a year.

Water purification by ozone is a recognized process and a quality benchmark in the drinking water treatment for many cities around the world. It is also used in industry, healthcare institutions, restaurants, hotels and swimming pools.

Manufacturer Warranty

The manufacturer warrants the mechanical and electrical components of the ozonator against defective materials or workmanship for a period of five (5) years from the date purchased by the initial purchaser (consumer). This warranty is not transferable. The manufacturer guarantees that the UV lamps will be free of defective materials or workmanship for a period of one (1) year, and the reactor chamber for a period of seven (7) years. Some conditions apply.

Model	S2Q-OZ	S8Q-OZ
Application	Spa, whirlpool, therapeutic spa bath	8-place spa, swimming pool, therapeutic bath, hot water supply (Laundromat)
Volume to be treated ¹	2,500 gallons (9,464 liters)	24,000 gallons (90,850 liters)
Outlet	For 3/8" id tube	For 3/8" id tube
Power Source	100-240V/50-60Hz	100-240V/50-60Hz

1. Subject to the variations that can occur under the operating conditions, extent of chemical treatment use and the number of users.

Accessories: Venturi Selections • Check valve • Support • Tube

