

The Shocking Truth About Ozone

Routinely, swimming pools require a shock (super-chlorination) treatment to clean (Oxidize) bather wastes from the water. Ozone is the strongest and most efficient non-chlorine shock commercially available. Ozone is produced on-site and, as the pump runs the water is automatically cleaned and purified. Using a BlueForce O3 Ozone Generator to provide this preventative Oxidation treatment is a key component of your safe, modern, water sanitation program.

Ozone, the most powerful continuous non-chlorine shock-treatment (Oxidizer) automatically:

- Produces the purest water
- Minimizes chemical usage
- Lowers maintenance time and costs
- Improves equipment performance
- Enhances all sanitation combinations
- Virtually Eliminates:
 - Shock Treatments
 - Scale Inhibitors
 - Scumline Cleaners
 - Scents
 - Filter Degreasers
 - Filter Aids
 - Clarifiers
- Works with any chlorine source, algaecides and minerals
- No ill effects on surfaces or decks

While Ozone is not a disinfectant (to kill algae and bacteria), and does not provide a measurable residual, it is the best Oxidizer for bather-waste removal. A BlueForce O3 Ozone Generator pays for itself while delivering a bottled-water-like swimming experience.

UltraPure
WATER QUALITY LLC

The UltraPure 3.0 Approach to Pool Water Sanitation

This approach for pool water sanitation addresses the three elements of sanitation: oxidation, biocide and residual. The best combination is:

BFO3 shown with Timer



OXIDATION

An UltraPure™ BlueForce O3™ to produce Ozone, the strongest oxidizer available to remove lotions, body oils and fluids introduced by bathers



BIOCIDE

Biostatic Minerals to stop the growth of algae or an algaecide to kill and control algae



RESIDUAL

Small amounts of Chlorine to provide a safety residual

UltraPure™ Automatic Water Cleaners™ in conjunction with a mineral based Biostat or an Algaecide and a safety residual of Chlorine further lower chemical demand. The UltraPure 3.0 Approach uses the least amount of chemicals of any pool water sanitation system.

Chlorine has weaknesses when used alone to fulfill all sanitation needs:

- Obnoxious combined-chlorine compounds are formed at running levels of 1.0 to 5.0 parts per million (ppm). Chloramines (chlorine + ammonia from perspiration and urine) cause bad odors, eye and skin irritation. Chlorinated organics (chlorine + body oils, suntan lotions, cosmetics, etc) cause filmy water, clogged filters and scum lines. Only shock, specialty chemicals and hard work can remove them. Over 70% of the chlorine added to a pool is used up and wasted forming these unwanted combines.
- Sunlight destroys chlorine's disinfection ability, accounting for another 10+% of usage. When the residual falls below 0.5 ppm for 1 to 2 days, algae blooms can occur.
- Overuse leads to health and environmental issues and affects pool finish and equipment longevity. Minimizing chlorine use helps protect bathers, the environment and your pool.

How Your BlueForce O3 Ozone Generator Operates

- The unit is (wall) mounted and tied in electrically with the pool pump.
- As the pump runs, a small amount of air is metered/drawn over the Ozone producing UV Lamp.
- As Ozone is drawn through the pumps' impeller, it is pressurized into the water between the pump and filter.
- The filter acts as a reaction vessel and sends oxidized, clean water back to the pool.
- The Champagne bubbles you see returning in the pool are air and are not hazardous to the environment or the pool equipment.
- Ozone, as the strongest commercially available Oxidizer, removes or alters non-living bather wastes making the purest pool water with the fewest chemicals; the least work; and, most savings of any pool water sanitation approach.



BFO3 shown without Timer

MODEL	PART NUMBER	POOL VOLUME (USG)	ELECTRICAL POWER	SIZE IN INCHES (L/H/D)	LAMP LIFE (HOURS)	WARRANTY (PRO-RATED)
BFO3-20	1003500 (NO TIMER) 1003501 (NO TIMER)	20,000	120V/1A 240V/1A	18/7/4	14,000	2 YEARS
BFO3-40	1004500 (NO TIMER) 1004505 (WITH TIMER)	40,000	100-277/1A	18/7/4	14,000	2 YEARS
BFO3-85	1005500 (NO TIMER) 1005505 (WITH TIMER)	85,000	100-277/1A	18/7/4	14,000	2 YEARS