

### 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:





#### 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.



**BFO3 shown without Timer** 

## 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.

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