

Subject: Biozone

This is as much as I know about the Biozone technology at this time.

They use a lot of fancy words, such as "photolic ozone," "atom disassociation," "quantum yield," and "optimization of unit geometry" to describe their technology, which is nothing more than an ozone producing UV lamp. This is clearly not the advanced oxidation system one receives with the AirSource 3000 technology.

If there is a catalyst target in the unit then it is either the white painted interior of the cabinet or an aluminum shield that also serves as a guard against direct viewing of the UV light. In either attempt, such a catalyst is inferior to the trimetalic catalyst target of the AirSource 3000, which accelerates the advanced oxidation process.

I would like to hear a rational explanation of their claim that "the machine will automatically reduce the amount of ozone being produced." In my own testing of their systems (A3000XL-W and XL models*), they exceed their claims for ozone output and as far as I could tell, there was no automatic regulation of the ozone being produced.

Their only claim for particle reduction is that some of the units have a rear metal mesh filter that reduces large particles. The AirSource 3000 has been tested for reduction of small and submicron particles.

In short, I think that their units are simple ozone generators that are over billed.

The AirSource 3000 has test data to back up reduction of airborne microbials, odors, and particulate matter with two patent-pending technologies in one compact, aesthetically pleasing device.

*These are "LifeTek" branded models, which then became Biozone. I have their Biozone brand, model 100FS food sanitizer system as well, which is no different, just a smaller ozone lamp in a smaller box.

I hope that this helps.

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