

# FACTORYCAT

# ZERO<sup>3</sup>

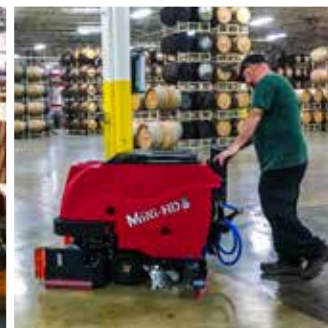
Chemical Free Cleaning Technology

## ONBOARD SYSTEM



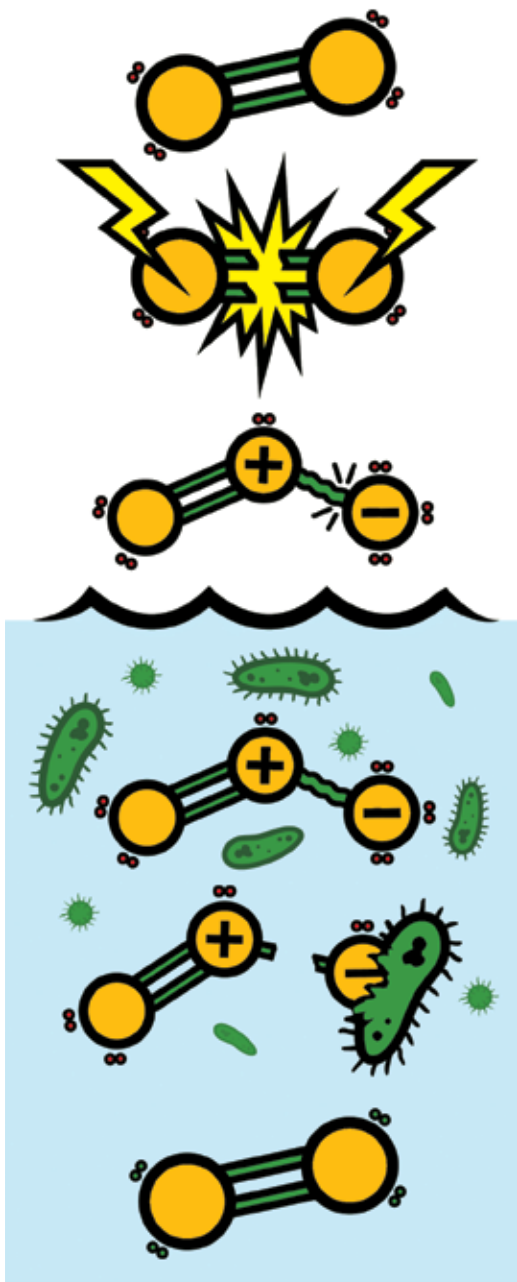
<b>Solution Flow Rate:</b>	0.4 GPM
<b>Ozone Concentration:</b> <small>*(Depends on Unit / Supply Water / Temp / pH)</small>	0.5 - 1.20 PPM*
<b>Power Supply:</b>	24 - 36 VDC / 60 HZ

**WAREHOUSING    FOOD & BEVERAGE    PACKAGING    SPORTS ARENAS    HANGARS**



# OZONE & HOW IT WORKS

Ozone gas creation occurs naturally and is perceived as having a sharp scent which can be noticed by its aroma outside following a lightning storm.



① Oxygen ( $O_2$ ) in the ambient air is drawn through the Ozone generator.

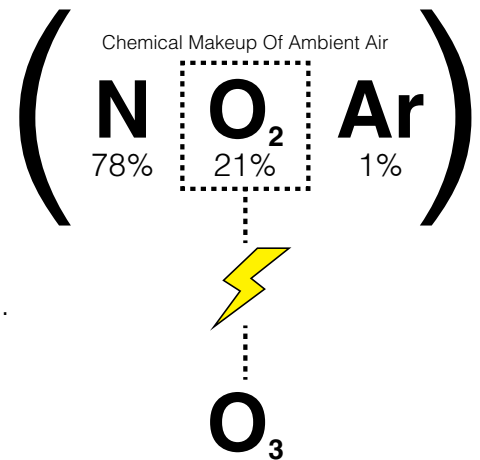
② Inside the Ozone generator, the  $O_2$  molecules in air are split into  $O_1$  via a corona arc.

③ These ( $O_1$ ) atoms bond to remaining Oxygen ( $O_2$ ) creating Ozone ( $O_3$ ). The third oxygen atom's bond remains radical and unstable and seeks organic matter to oxidize.

④ We inject the  $O_3$  molecules into the solution stream.  $O_3$  molecules in the solution are then drawn to any contaminants (viruses, bacteria, mold, etc.) in which the solution is applied to.

⑤ When the  $O_3$  molecule finds contaminants, due to the radical bond, the  $O_3$  molecule will split and attach to the contaminant and break through the cell wall, destroying the contaminant.

⑥ Once the contaminant is destroyed, only Oxygen is left in the solution.



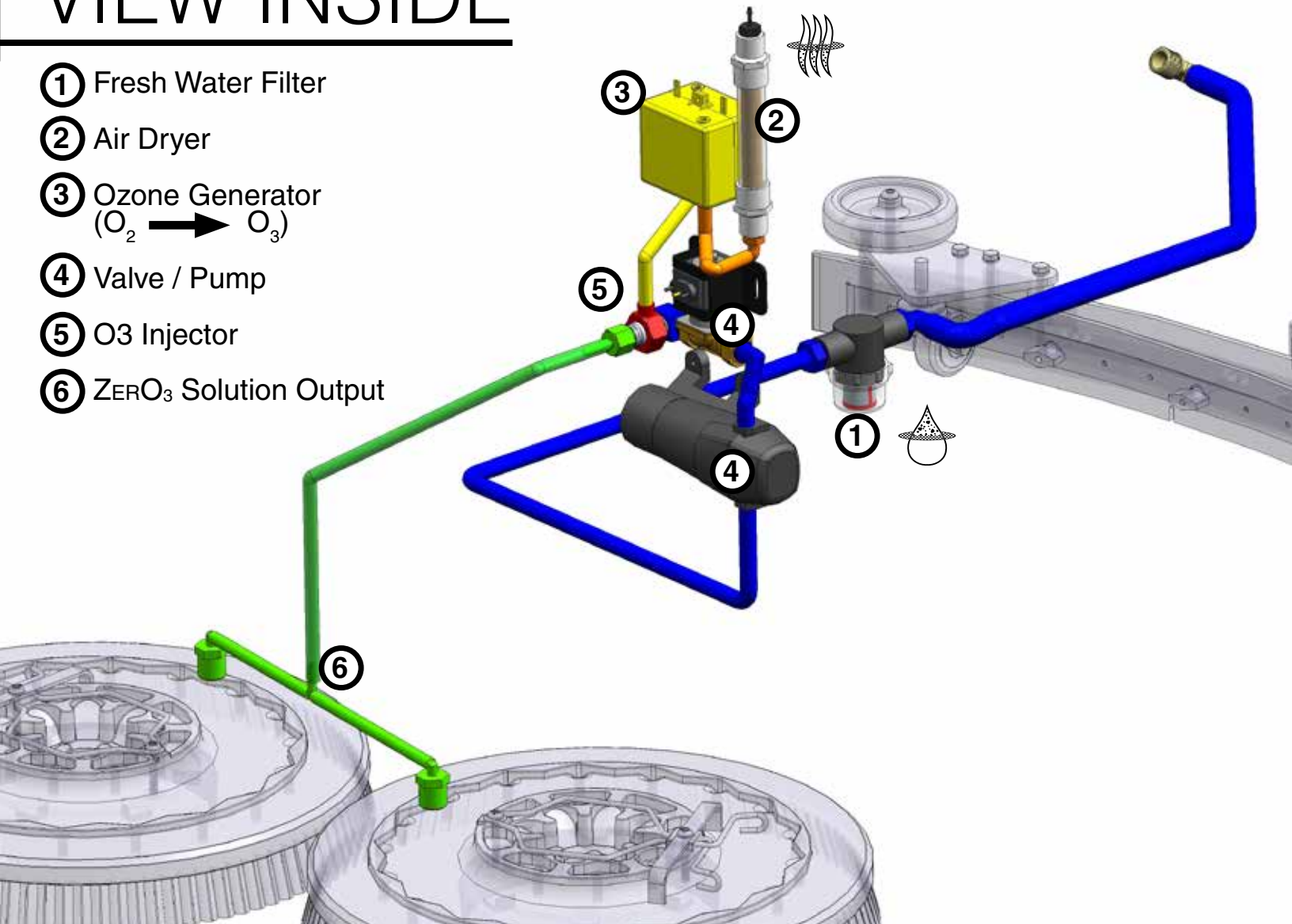
## Eliminate Odors Easily

Use of cleaning equipment creates dirty cleaning equipment. When cleaning equipment is not cleaned thoroughly, usage and storage results in smells and cross contamination when used again.

Ozone ( $O_3$ ) is widely use to eliminate odors from fire, smoke, pets and many household problems. A properly implemented Ozone solution results in odor removal, leading to reduced complaints and a healthier work environment.

# VIEW INSIDE

- ① Fresh Water Filter
- ② Air Dryer
- ③ Ozone Generator ( $O_2 \rightarrow O_3$ )
- ④ Valve / Pump
- ⑤ O3 Injector
- ⑥ ZERO<sub>3</sub> Solution Output



## Effective General Purpose Cleaner

Destroys known pathogens that have developed resistance to standard cleaning methods. Ozone's third radical atom makes it an extremely strong oxidizer.



## Saves The Bottom Line

Save money compared to chemicals. Remove the high cost associated with transportation of detergents and the cost of labor to mix detergents. No operator mixing or prep required.



## Historically Backed Science

The use of Aqueous Ozone as an effective and safe oxidizer of organic matter spans over 100 years. Used in water treatment plants around the world for disinfecting and sanitizing.



## Environmentally & Operator Safe

There is no danger of a costly chemical spill, employee health is protected and promoted. Operator friendly. Non-caustic, Non-toxic, antimicrobial, and no allergy worries.

# CALL FOR A DEMONSTRATION



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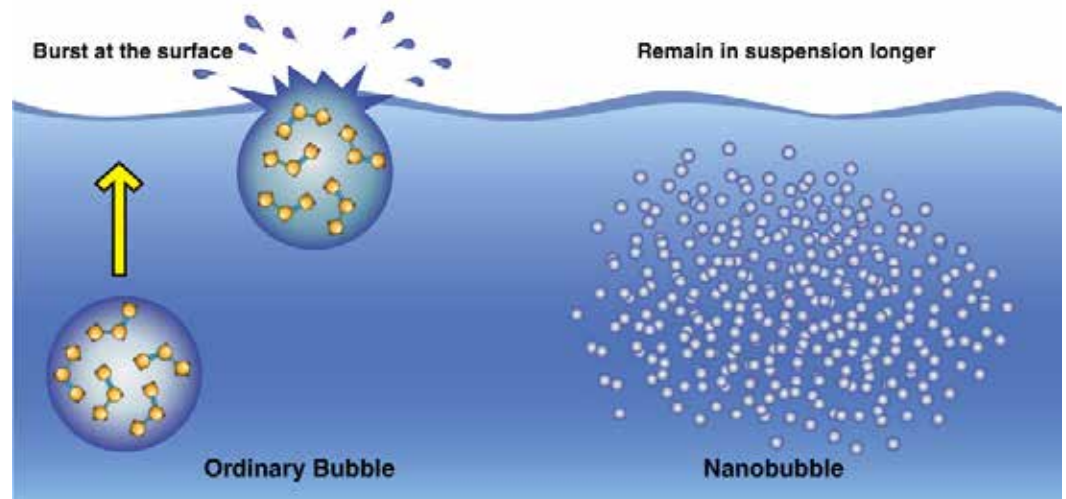
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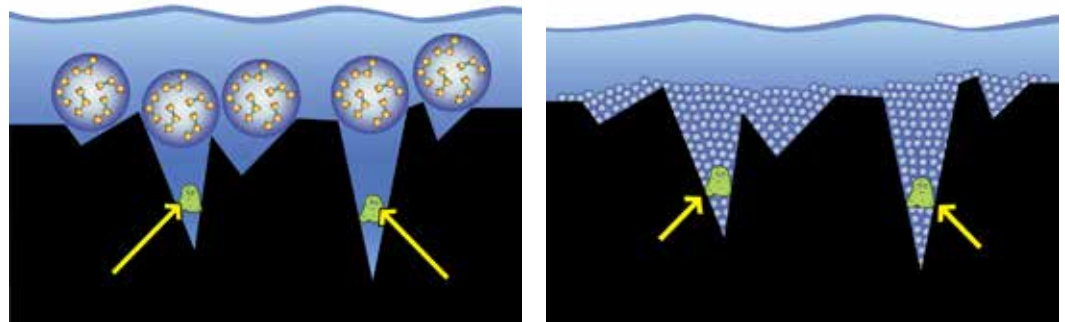
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## Nano-Bubbles Make A Difference



Ozone ( $O_3$ ) filled Nano-Bubbles generated by the ZERO<sub>3</sub> system provide extended cleaning effectiveness by being less likely to rise to the surface.



Nano-Bubbles fit into the smallest areas possible to destroy micro-sized contaminants which is what makes ZERO<sub>3</sub> successful.

## Want Proof of Cleaning?



To measure how well cleaning protocols and products work, many professionals use ATP (Adenosine Triphosphate) meters to evaluate "Before" and "After" cleaning results.