

ENHANCE CLEANLINESS | ELIMINATE PATHOGENS

EXTEND LIFE



DIAMONOX[®]
OZONE TECHNOLOGY

DIAMONOX IN-LINE OZONE SYSTEMS FOR
INDUSTRIAL LAUNDRY



Diamonox Ozone Technology is the sterilization solution for industrial laundry. The Diamonox platform delivers ozone directly where it is needed. It provides significant cost savings, reduces environmental impact (energy, water, and chemicals), and delivers microbiological cleanliness. In addition, linens treated with ozone last longer when compared to conventional thermal treatments.

With Advanced Diamond Technologies (ADT) novel approach to generating highly concentrated dissolved ozone, Diamonox Ozone Technology is portable and easy to use, which is perfect for a variety of applications.

APPLICATIONS

- Commercial Laundry Facilities
- Hotels
- Hospitals
- Nursing homes
- Health clubs
- Resorts
- Correctional facilities
- Athletic facilities



REMARKABLE ECONOMIC SAVINGS*

- Up to 80% in energy savings
- Up to 40% in labor savings
- Up to 20% in chemical savings

*R.G. Rice (2011) The Ozone Laundry Handbook



UNSURPASSED MICROBIAL KILL RATE

- Eradicate dangerous microorganisms that can cause severe illness, such as MRSA and C. difficile.



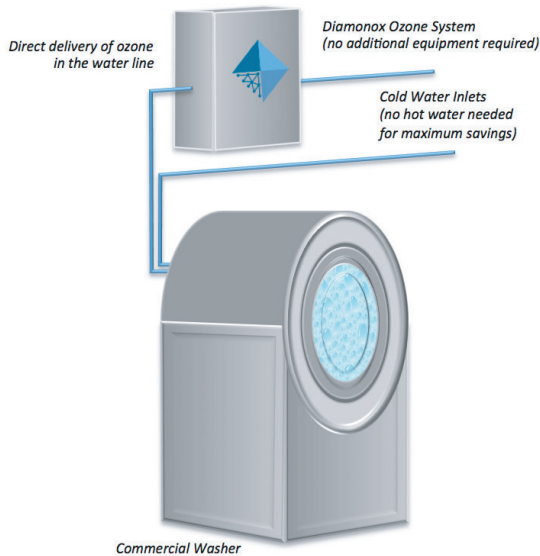
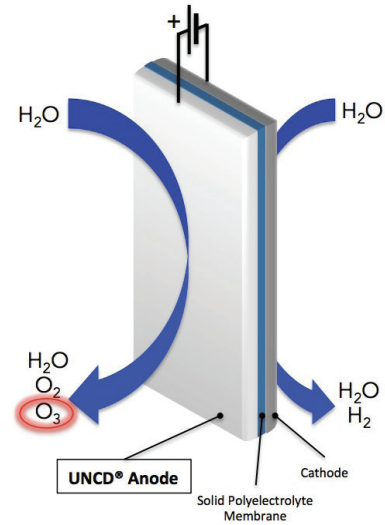
THE GREEN SOLUTION

- Up to 20% less detergent needed
- Ozone is 100% biodegradable
- Soil becomes more easily biodegradable



HOW IT WORKS

Diamonox Ozone Technology generates ozone directly from the water, not from the air. As the water flows over the diamond electrodes, it is dissociated into its two components: oxygen and hydrogen. The oxygen reacts further at the diamond surface and is converted into ozone (O₃). As the ozone is generated, it is dissolved in the water and flows within the stream for immediate use.



SIMPLE INTEGRATION

Diamonox Ozone Technology does not require any special oxygen preparation as an input to the generator. Because it generates ozone directly from the water, in the water, there is no need for gas injection or diffusion. It only requires tap water and electricity to generate useful ozone. The simplicity of the technology enables easy integration into new or existing laundry systems, considerably simplifying maintenance and service costs.

DIAMONOX IS...

SIMPLER

No need for additional equipment

SAFER

No overproduction of ozone gas that can reach the OSHA regulated limit in air

MORE EFFICIENT

Less outgassing means higher efficiency of ozone production

SMALLER

Reduced footprint and fewer system components

COST EFFECTIVE

Simple system, simple installation, less maintenance

DURABLE

Made to last for years of operation

TO LEARN HOW ADT'S DIAMONOX OZONE SYSTEMS
can help you overcome your greatest disinfection challenges...

Contact ADT at:
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