



## Ozone Laundry System



### Economical Ozone Laundry Systems



Powered by: **PLAZMATICS**  
Ozone Generators

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## "What is Ozone?"



*Ozone* is oxygen ( $O_2$ ) with an extra atom of oxygen attached , thus forming  $O_3$ .

*Ozone* is formed naturally during a lightning storm. The creation of *Ozone* is nature's way of purifying the atmosphere, and is what gives clothesline dried linen that "Fresh air" smell.

*Ozone* is an extremely effective sanitizing and disinfecting agent. In fact, *Ozone* kills bacteria faster than chlorine. Most new water treatment plants are treated with *Ozone* instead of Chlorine.

*Ever notice that bottled water tastes and smells much better than regular tap water?*

That is because bottled water is often purified with ozone instead of chlorine. The bad taste and smell in your tap water, is nothing more than residual chlorine.



## "How does Ozone work in a Laundry?"



*OZONE* carries an electrical/chemical charge in the washing solution, which actually starts to dissolve soil on contact. This process activates the chemicals in cold water instead of using hot water at 140-160 degrees.

Sanitizing of your linen is equal to standard laundry procedures.

The Experts at ArtiClean/EconOzone have built and installed Ozone Laundry Systems for over 15 Years.

*Ozone Laundry gives you several advantages over standard laundry practices.*

### *Longer Linen Life*



Did you know that when chlorine bleach and extremely hot water are mixed together, a chemical reaction occurs that actually damages the fibers of linen? With *Ozone*, this chemical reaction is eliminated. Our customers have reported that their linen life has increased by 30% or more.

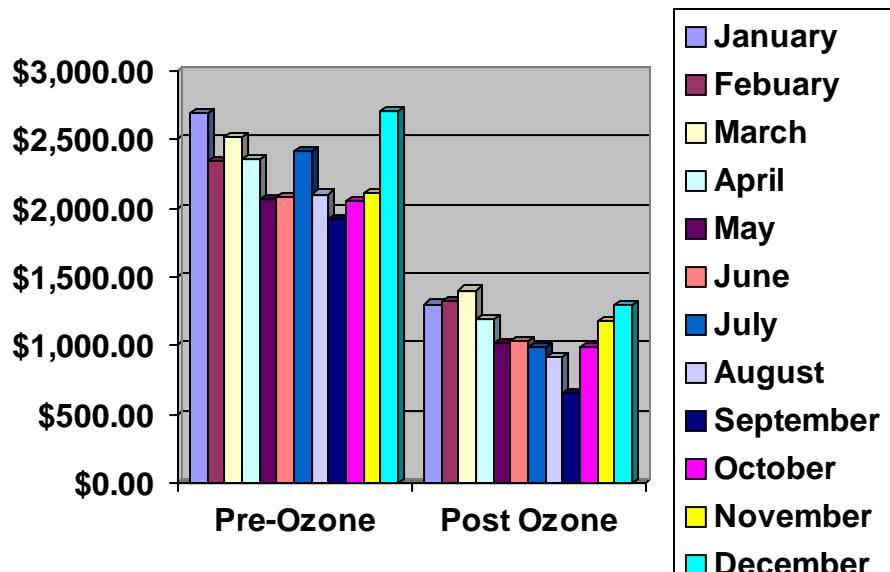
## Monthly Natural Gas Consumption

### Major Reduction in Natural Gas Cost

Approximately half the Natural Gas consumption used in the laundry is for heating water. The other half is used in drying the linen. ArtiClean can eliminate 90% or more of your hot water usage.

Some facilities have turned their hot water heaters off!

An average 100 bed nursing home could save a minimum of \$1,200 per month on their utility bills.



Actual Case Study - Standard Laundry vs. Ozone Laundry

### Smart Generators



EconOzone utilizes Plasmatics Ozone Generators. The first Industrial ozone generator designed for use in a commercial laundry. These "Smart" generators are able to detect how many washers are calling for ozonated water and adjust their output to compensate for single or multiple washers filling. The end result is the right amount of ozone going to each washer, thus removing the possibility of off-gassing issues.

### Industrial Oxygen Concentrators

A well designed ozone laundry systems starts with a good supply of Oxygen. The air that we breathe is made up of approximately 21 % Oxygen, 75% Nitrogen, and 4% other inert gasses. The EconOzone system utilizes and industrial grade oxygen concentrator that removes the Nitrogen from the air and produces 95% pure oxygen. This is the basis on what makes our system much more reliable than similar systems on the market. Most other companies use an air dryer, which allows the nitrogen to enter the ozone generator. In the process of creating ozone with only dry air, Nitric Acid is formed which will lead to premature failure of the ozone generator and other system components.



### Shorter Drying Times

Ozone actually penetrates the fibers of your linen. This is evident in the thicker, fluffier towels that are dried after being ozonated. The ozone helps to release moisture in the dryers or on a flatwork ironer, thus creating much faster drying times as well. In most cases, drying time has decreased by 20%. This decrease in drying times also reduces gas consumption in the dryers by up to 20%

### Whiter, Softer, Sanitized, Fresher Smelling, and Longer Lasting Linen = Huge Savings

## System Specifications



Model	ECO-2	ECO-3
Number of Washers	2	3
Ozone Generator	Plastics ECO-2	Plastics ECO-3
Ozone Grams Per hour	10	10
Oxygen Concentrator	Airsep Topaz	Airsep Topaz
Venturi Assembly	Hose Connections	Hose Connections
Venturi Manufacturer	Mazzei	Mazzei
Venturi Size	584/684	584/684
Water Flow Rate	10GPM/Washer	10GPM/Washer
Standard Voltage	115/60/1	115/60/1
Rated Amperage	20	20

### System Includes:



- \*Complete Ozone Laundry System - Wall Mounted
- \*Plastics Multiple Washer - Industrial Ozone Generator
- \*AirSep Topaz - Oxygen Concentrator
- \*Wall Mounted Venturi Injector Assembly
- \*Mazzei - Venturi Injector
- \*Stainless Steel Check Valves
- \*Schedule 80 PVC Piping
- \*Union Ball Valves