

Korean Chicken Farm Fights Infection With Ozone



The Problem

The biggest challenge for the chicken breeding industry is controlling the spread of infectious diseases. Generally, the traditional chicken breeding method is to feed the chicken antibiotics and vaccination, and disinfect the environment with chemicals.

However, too many drugs and chemical agents not only add to higher costs, but also mistakes made by staff. Studies have also pointed out that the accumulation of chemicals in chickens will endanger the growth of poultry and even damage the ability of chickens to absorb calcium.

In this way, soft shell eggs will still be produced even if additional calcium supplements are fed to the chickens, greatly reducing the amount of viable eggs. Feeding chicken antibiotics leaves residual antibiotics in the chicken, can affect food safety, and reduces the commercial reputation of the chicken farm.

The solution

Today, ozone is used more and more widely in the chicken industry; because of its high oxidizing capacity, ozone is a very effective disinfectant. Compared to commonly used chlorine and formaldehyde disinfectants, ozone can kill more kinds of pathogenic bacteria. In this case, the **BioSure** ozone disinfection system was introduced in a well-known chicken farm in South Korea. **BioSure OWS Series** equipment can produce high-concentration ozone water. THE ozone water is used in chicken farms to disinfect chicken drinking water, which is helpful to the health of chickens and prevents chickens from becoming infected by drinking unclean water.

In addition to drinking water, industry also uses ozone water to disinfect the environment. Pathogens,

carried on feces and feathers, are all easy ways for disease to spread. At this farm they used ozone water to clean the environment, effectively killing a variety of pathogenic bacteria. Because ozone has no by-products, there is no need to perform another washing process like chemicals to reduce labor costs.

Results

Pathogenic bacteria control has always been an important task for the poultry industry and the entire food industry for that matter. Ozone equipment provides the best solution for the poultry industry.

Ozone can effectively kill a variety of pathogenic bacteria, and **BioSure's** ozone equipment can be easily installed in the existing poultry farm waterway, easily integrated into the original use environment, without changing work habits.

BioSure ozone equipment can reduce the cost and risks of manual operation and deployment of chemicals, help reduce labor costs and promote the health of employees, and there is no residual chemicals after use, which is the best choice for the environment.



Ows Series



FACTS

Industry

Poultry

Purpose

Contamination control,
Disinfection & Sanitation

System Solution

OWS series ozonated water system

Ozone Production

1.2 g/h

Dimensions(W x D x H)

550 X 310 X 680(mm)

Power Supply

100-12V, 50/60 Hz
or 220-240V, 50/60 Hz

About Us

Since 1988, BES Group has been the global leader in electrolytic technology. Converting water to ultra pure activated-oxygen gas and hydrogen gas is our core technology.

Series products include Food Safety & Sanitation, Healthy Environment, Clean Water, and Sanitation & Wellness.

All products and components are tested for high performance, safety, and reliability with required certifications from government agencies and leading 3rd party labs.

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