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SOME FACTS ABOUT THE USE OF OZONE

.....OF WHICH ANIMAL, FOOD PROCESSING INDUSTRIES AND MANY OTHERS CAN BENEFIT A LOT

Ozone has very interesting applications for animal farms as well as human food processing plants.

Ozone is produced by ambient air or bottled oxygen, thus eliminating the use of raw (chemical) materials.

Ozone is the most powerful and versatile oxidizing agent commercially available.

In 1893 Ozone was used for the first time for purification of drinking water in the Netherlands.

Ozone quickly oxidises (kills) all bacteria, fungi and algae. Viruses are even oxidised within seconds, thus making ozone a very interesting application for the treatment of drinking water.

Ozone, diffused in a watertank, oxidizes all micro organisms in or on animal carcasses.

Ozone leaves no residuals in or on the carcasses.

Ozone forms no undesirable residuals in water, because Ozone reverts back to pure oxygen (O₂) after approximately 20-30 minutes.

Ozone therefore does not at all affect the environment.

Ozone oxidizes the well known Escherichia Coli more than 3000 times faster than chlorine.

Ozone also oxidizes Salmonella Enteritidis, Salmonella Thyphimurium and Campylobacter jejuni

All micro organisms, known in science, are oxidised by ozone.

A processing plant using ozone, can deliver bacteria and virus free meat to the consumer, confirmed by the Dutch Laboratory for Poultry and Eggs, thus increasing product safety and protecting human health. Recycling processed water is an interesting option.

Ozone cannot solve the cause of a (cross) contamination in the processing plant but it can solve the bad consequences for the consumers.

If clothes are washed in ozone enriched water, all micro organisms in and on the clothes as well as stains will be oxidised and thoroughly cleaned and disinfected.

Ozone is used in the food processing industry to treat and conserve human food.

Ozone eliminates the use of chlorine products, which are known to be carcinogenic.

Ozone, in many cases as an excellent alternative to chlorine, is also used in large sea-aquaria in zoo's, fish farms, private swimming pools and water supply companies.

Mortality occurs in every farm. Micro organisms on dead animals (when stored in a watertank, continuously saturated with Ozone) are oxidised and will no longer threaten the livestock and the hygiene program.

Ozone treatment is inexpensive, efficient and convenient.

Ozone is the most powerful oxidant used in water and waste water management.

Ozone removes bad smells, dirt, cigarette smoke, odours, bacteria, pollen and all other pollutants, making it the ideal solution for homes, offices, hospitals, clinics, homes for the elderly (elimination of horizontally transmitted pathogenic micro organisms!) and industries wherever air pollution is a problem.

Should you wish to receive further information about Ozone applications, please do not hesitate to contact us.