



# CHICKEN BREEDING

Over the past several years there has been an increase in frequency and variety of bacterial contaminants found in all types of water ranging from drinking water, industrial process water and water used for recreational purposes.

## Traditional methods employed to treat water include:

<b>Chlorine</b>	<b>Hazardous, odors, not completely effective</b>
Acid	Expensive, not completely effective, time consuming to apply, surface treatment only
UV-Light	Limited effect on "bio-film", must be used with another technique
Ozone	Does not treat bio-film, must be used with other techniques
Laser	Only effective at point of use. Must be used with other techniques
Heat	Expensive, requires 20 mins at 100°C

## The Voigtlaender Generator

*Water disinfection and general disinfection*

- 1-Reduced operating costs
- 2-Replaces chlorine and is more efficient
- 3-Free of chemical additives
- 4-Ideal for remote locations
- 5-Eco friendly
- 6-Multiuse, for water disinfection and disinfection in general



## Sanifluid: How it works

### Combining salt, water, and electricity

- Salt and water are activated by an electrical current to produce a disinfectant
- The disinfectant SANIFLUID, is a HOCl (hypochlorous acid) rich solution
- SANIFLUID remains stable for extended periods of time
- SANIFLUID is an extremely effective disinfectant (>100 times more effective than OCl-)
- SANIFLUID penetrates the cell membrane by osmosis

- Destroys bacteria and virus from within
- Removes and prevents biofilm (breeding ground for bacteria)
- Always active

## Chicken breeding applications

Disinfection of drinking water, surfaces and the barn in general, to reduce mortality and improve feed/weight efficiency.

### The system:

SANIFLUID produced on-site with the Voigtlaender technology is dosed into the water supply fed to the chickens as well as for cleaning.

### The result:

CFU content in the chicken drinking water is reduced to "0", less antibiotics, less mortality, better feed to weight efficiency.



## Certificates



DIN 1276  
 DIN 1650  
 DIN EN 901/ DIN 19643 – Swimming pool Conformance to WHO Standards  
 CE Conformance  
 MEBAK Band II 2.10.7  
 AOX – Test protocol

## References

**Fraport AG,**  
**C.A.M.,**  
**Saarbrücken Airport**  
**Mecklenburger Ernte**  
**Weihenstephan**  
**Tnuva Dairies**  
**Gazit Chicken farm**  
**Millouff Chicken Farms**  
**University of Iraq**  
**University Hospital**  
**Boecklunder Group**  
**HatchTech B.V.**

Frankfurt International Airport  
 International Airport  
 Regional Airport  
 Salad Producer  
 Dairy  
 Cottage Cheese and Yoghurt  
 chicken rearing  
 chicken rearing  
 Research and development  
 Würzburg Hospital  
 Meat Processing plants  
 Supplier of incubation solutions

Drinking water for aircraft  
 Fresh Potable water for airplanes  
 Drinking water for aircraft  
 Salad washing  
 Micro-biological control fresh water  
 C.I.P. with AnoFluid  
 Drinking water treatment  
 Drinking water treatment  
 disinfection applications (potable water)  
 Cooling Tower water disinfection  
 Disinfection of Process water and cleaning  
 Disinfection of water for incubators

