



# HOSPITALS

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



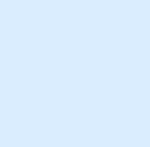
## Sanifluid: How it works

### 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

## Solutions for hospitals and other medical facilities



### Hospitals and clinics

Disinfection of cold water in cooling water loop and removal of biofilm from the system.

Redox measurement is used to determine the quality of the water in the cooling loop and SANIFLUID is added in a controlled manner to ensure that the Redox remains within acceptable operating parameters.

**The result:**

The water after being treated with SANIFLUID is clear of all microbiological content. Furthermore this water meets the highest drinking water standards for up to 72 hours after treatment.



### Advantages

- Very compact unit, easy to retrofit into existing rooms
- Simple to operate, fully automated, no hazardous materials involved
- Operating staff does not require hazardous material training or special skills
- According to WHO Standard, DIN 901 and §11 of the Trinkwasserverordnung (German Drinking Water Standard)
- Quality tested and approved by several independent laboratories

### 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

