

Providing High Quality Drinking Water to the Aviation Industry

Airport companies or ground handlers are required to provide safe, sterilised drinking water to replenish the onboard water supplies stored on visiting and departing aircraft.

There is a drive by major airlines to require providers to deliver safe drinking water to aircraft with a minimum “Shelf Life” of 72 hours. The requirement has traditionally meant airport staff having to work with dangerous chemicals such as chlorine gas.

The use of such chemicals has always been viewed undesirable, but as few options were available, providers had little choice but to employ them and provide training and safety equipment and trainings for the staff in order to be prepared for any accident possible, due to the explosive nature of the gas.

After extensive research and testing, Fraport, in cooperation with Voigtlaender GmbH has now implemented the ‘Voigtlaender Generator’ system replacing the use of “Chlorine gas” and avoiding unnecessary risks and negative side-effects of the previous method. The ‘Voigtlaender Generator’ employs environmentally friendly techniques to provide safe, sterilised water using only water, salt, and electricity. “Non-hazardous to staff and air travellers” “No security risk associated with the Voigtlaender Generator” Water produced complies with German Drinking water standard as well as DIN19643”

Benifits

- Reduced water consumption by 24 Mio. liters / year / waste water.
- Cost effective
- Potable water trucks disinfection reduced from 24 hrs to 15 minutes.
- Reduced running costs
- No “Hazmat” risk / training associated with this technique required
- Meets security as well as health & safety guidelines
- Health and safety environment of employees has improved



Improving “passenger well being” through innovation

The Voigtlaender Generator makes use of an innovative “Cell” technology. A water / saline solution is brought into contact with specially treated electrodes. The geometry, materials used, the flow rate (water), saline solution / water ratio, and amperage are optimised to produce AnoFluid.

The exact ration of AnoFluid introduced to the water supply is dependent upon the application requirements. This product is safe, not toxic, metastable, and environmentally friendly.

AnoFluid is a highly effective oxidising solution. When used undiluted, it kills Ligionellas, E-Colis, Salmonellas, Pseudomonas Spec, Bacillus subtilis, and many other harmful bacterial. AnoFluid is used in the disinfection of Drinking water and water used for recreational purposes.

Scope of Service

- Scalable to customer needs
- Easy to install and support
- Consultancy
- Quick delivery
- Worldwide coverage
- Remote monitoring

