



activ-ox

instant chlorine dioxide technology



Activ-Ox[®] Chlorine Dioxide Dosing Systems

Why Chlorine Dioxide?

Chlorine dioxide is universally recognised as an excellent biocide and disinfectant for a wide range of applications because of its unique combination of properties.

- **Potency** – It is extremely effective at low dosages.
- **Rapid Kill** – Chlorine dioxide disinfects and sanitises in seconds.
- **Not Ph Sensitive** – Unlike chlorine and bromine, which both become less effective as the pH of water rises.
- **Effective Biocide Against Biofilms** – Able to permeate and penetrate biofilms which are often relatively resistant to other disinfectants and biocides.
- **Potency Against Legionella** – Chlorine Dioxide is recognised as an effective biocide and disinfectant to control the risk of Legionnaires' Disease associated with hot and cold domestic water systems, cooling water systems, spa baths, hot tubs and leisure pools.
- **Halogenated Disinfection By-Products (DBPs)** – ClO_2 works differently to chlorine; its action is one of pure oxidation rather than halogenation, so these halogenated DBPs are significantly reduced.
- **High Selectivity** – Chlorine Dioxide is able to kill microbes without reacting with other contaminants, often resulting in much lower dosage rates which can make it the cheaper alternative.
- **No Taste, Odour And Taint Problems** – This is in contrast to chlorine when used as a biocide, which due to the unwanted by-products, can impact on odour and taste of the treated water.

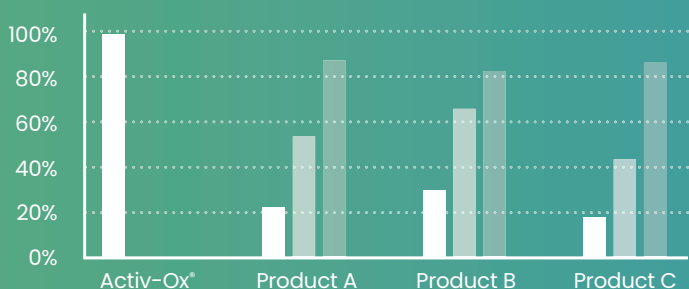


Why Activ-Ox Chlorine Dioxide?

Activ-Ox® Feedwater's patented chemistry and generation process is simpler, safer and more effective than other ways of producing chlorine dioxide and is equally suitable for building services, food & beverage and industrial applications. It can be used to treat anywhere from a few litres of water to thousands of cubic metres per day and has also been incorporated into a unique foam disinfection and cleaning process.

Conventional systems often take many hours to produce chlorine dioxide and the process yield is poor which means that complex generation equipment is required and running costs are high because chemical is wasted. By contrast the patented Activ-Ox chemistry releases chlorine dioxide instantaneously and the process yield is very high, converting around 95% of the pre-cursor chemical to powerful chlorine dioxide.

Activ-Ox Works Instantly – Competitor Products Don't!



Conventional systems also require the use of a strong, hazardous acid. The Activ-Ox process by contrast uses a special, non-hazardous, food and drinking-water approved activator, Activ-8. The patented Activ-Ox chemistry is so different from the way a conventional chlorine dioxide generator works, you could even activate it with your favourite Cola!

Introducing the Versatile Activ-Ox Dosing System

Experience unparalleled safety, control, efficiency, and flexibility with the new Activ-Ox Dosing System, designed to cater to a wide array of customer applications.

The Safest Chlorine Dioxide Generator on the Market

The Activ-Ox system has been designed with safety, and ease of operation in mind.

- The system is safe by design, all models include complete chemical separation, and integral **leak detection**.
- Unlike many competitor products, there is no storage of ClO_2 anywhere in the generator.
- The system ensures consistent and accurate dosing, preventing any dosing imbalance, or only one precursor being dosed through built in **chemical flow monitoring**.
- The system is flexible and adaptable, suitable for installation on water systems operating at various pressures, even those with fluctuating pressures, whilst maintaining **consistent and accurate dosing** thanks to the built in combination valves.

Take Control with Our Cutting - Edge Touch-Screen Controller

Harness the power of the Activ-Ox system with our robust touch-screen controller. Not only does it grant you full control, but it also serves as a hub of essential information. Access key system data, **graphical representations** of critical operating parameters, and real-time **customised alarm** statuses with ease.

Tailored To Your Needs

The Activ-Ox system most typically uses a water meter, seamlessly integrated into your water supply, to provide a proportional signal for precise dosage control. However, we understand that every application is unique. That's why we offer a **range of control options**, ensuring your system aligns perfectly with your requirements. Looking for even more control? Consider upgrading your system with a **ClO_2 probe**, allowing for dosage adjustments based on direct measurements.

Effortless Operation

The Activ-Ox system simplifies chemical handling by drawing precursor chemicals directly from supply drums or dosing tanks. These chemicals are injected into a specially designed reactor tee which is installed into your water system. Instant mixing and reaction occur within the tee, and the treated water is seamlessly integrated into the stream. Setting and adjusting the chlorine dioxide dosage rate is a breeze with our **user-friendly interface**.



Simplicity & Controllability

- Instant, high yield reaction
- Simple installation
- Easy to set up and adjust
- Automatic operation
- Simple test kit available

Suitable For ...

Hospitals
Hotels
Nursing homes
Office blocks
Legionella control
Domestic water
Drinking water

Breweries
Dairies
Food processing
CIP Systems
Chemical manufacture
Agriculture

Poultry houses
Off-shore rigs
And more ..



Feedwater Ltd is a UK water treatment company established in 1976 specifically to supply products and services for the treatment of water for steam boilers, cooling towers, building services and industrial processes.

Our consultants and service teams cover the breadth of the UK and Republic of Ireland (Eire). We have also been exporting our products and service around the world for over 30 years.

We were helping prevent Legionnaires' Disease before most people had even heard of it.

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