



ProClean™ Chlorine Dioxide Gas Decontamination Services

A Clean Break to Reset Your Environment

A Clean Break to Reset the Environment with Chlorine Dioxide



Whether it's post-construction sanitation, concerns about a challenging microbial situation, you're updating the hygienic design of your facility, or you require a clean break from a harmful and problematic microbial problem, IFC services offer the most effective solution for any type of microbial challenges.

IFC provides full-service chlorine dioxide services that are quick and effective.

- Eliminates microbial life within the treatment area, including equipment, floors, drains, and critical piping
- Completely destroys biofilms
- Safe on metal, electronics, rubbers and plastics
- No post-treatment cleaning required – no residue
- Complete services including sealing of the treatment area, efficient gas delivery (typically within 8 hours), and cleanup, leaving your facility ready to immediately resume operations
- Can be scaled to any size application, from a few hundred up to several million cubic feet areas

IFC provides comprehensive chlorine dioxide services for areas where specific problems exist.

About Chlorine Dioxide

Chlorine dioxide works by penetrating the cell wall of microorganisms and disrupting metabolic functions, thus immediately and permanently eliminating the problem at its source. EPA-registered chlorine dioxide as a sterilant in 1988, and chlorine dioxide gas is approved by FDA and USDA use in food processing facilities.



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Advantages of using Chlorine Dioxide

- No capital investment
- Completely destroys all microbial life including all bacteria, mold and all other microorganisms
- No residue, so no post-treatment cleaning required; immediate return to operations
- Non-corrosive as applied

Target the Area

- Spiral freezers
- Individual pieces of equipment and piping
- Production areas
- Floors and drains
- Entire facilities



Complete Service Delivery

- Sealing of the treatment area to maintain gas concentrations.
- Gas concentration monitoring inside the treatment area assures correct gas concentrations are achieved throughout the application process.
- Use of 6-log biological indicators for chlorine dioxide gas decontamination located in the treatment area and incubated post-treatment to provide verification of a complete decontamination.
- Scientifically validated report includes hourly concentrations and final dosage, temperature, and relative humidity, and results of biological indicator incubation.

Continual Monitoring Throughout the Treatment Process

- Calibrated concentration monitoring inside the treatment area assures correct gas concentrations are achieved throughout the application process
- Routine perimeter monitoring to confirm elimination of gas leakage to non-treatment areas
- Final gas concentration readings to confirm safe reentry

Validating Successful Treatment

- 6-log biological indicators confirm a sterilized environment