

# Chlorine Dioxide

## Newly invented !

### ASiRAL DUOSEPT

The novel all purpose chlorine dioxide based oxidative disinfection system - hydrochloric acid free - combining highest disinfection efficiency with:

- **Economy:**  
cost cutting up to 80%  
(chemicals, energy, water, time)
- **Safety:**  
complete microbiological activity spectrum  
(certificated by Prof. Back, TUM)
- **Highest material compatibility:**  
no pitting (stainless steel), not aggressive to elastomeric material,  
free of hydrochloric acid
- **Environmental compatibility:**  
no TOX-formation (e.g. chlorophenols), nor residues,  
waste water and sewage plant compatible

#### +++ Applications +++

1. **Cleaning in place:** disinfection and acid cleaning in one step or disinfection via rinsing water
2. **Chain lubrication:** improved microbiological situation by the combination of chlorine dioxide with chain lubricant
3. **Bottle washer:** cold water zone disinfection
4. **Filler:** effective germ reduction in the cold
5. **Pasteuriser:** inhibiting and elimination of biofilms

#### DuoSept-System from ASiRAL:

→ approved technology and intelligent chemistry from one source !

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