

# Ozone Technology Solutions for Ultrapure Water Loops

Water purity is a critical component of product quality. Ultrapure water is treated to the highest standards by eliminating contaminants and microorganisms.

**Ozonia MEMBREL electrolytic ozone** technology is the ultimate solution for ultrapure water disinfection applications.

**MEMBREL electrolytic ozone** generators create ozone directly from ultrapure water



## benefits of electrolytic ozone systems

### Minimize costs

- Minimal equipment is required
- Ozone is dissolved directly in ultrapure process water
- No gas contacting system
- Robust – industry proven – technology with low lifecycle costs

### Safe from contamination

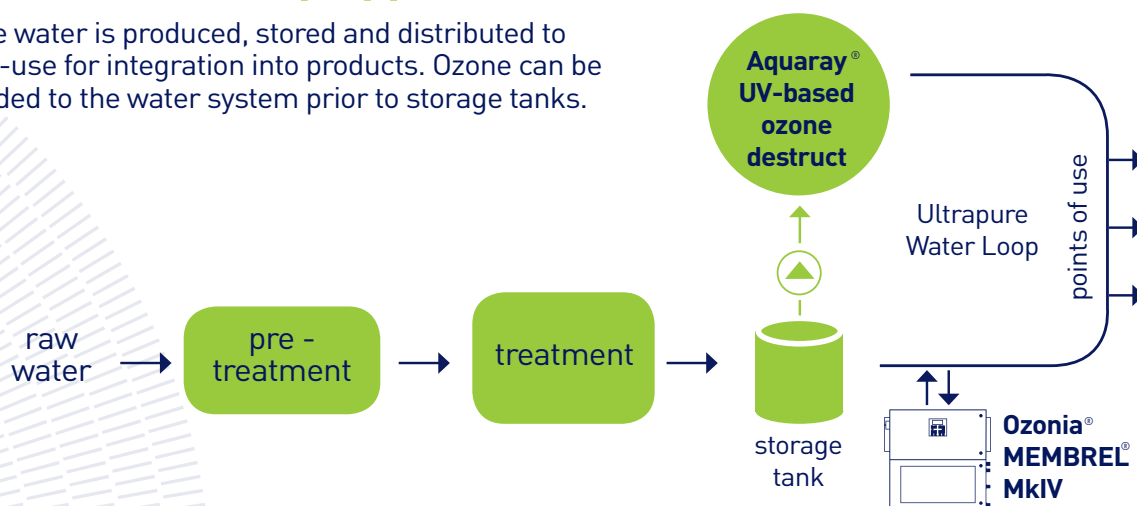
- No ionic contamination is introduced to the process water
- Ozone decays into harmless oxygen

### Increase production up-time

- Continuous ozone production to prevent contamination
- Eliminate productions stops
- Continuous ozonation secures water quality protection at all times

## ultrapure water loop applications

Ultrapure water is produced, stored and distributed to points-of-use for integration into products. Ozone can be easily added to the water system prior to storage tanks.



## | ozone | Ozonia® MEMBREL® MkIV

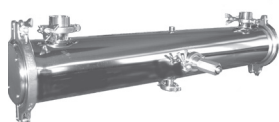


Production:  
3g O<sub>3</sub>/h - 9g O<sub>3</sub>/h

### Main features

- Electrolytic ozone generator produces ozone directly from ultrapure water
- Complies with FDA, EN, IEC, ISO, and CE requirements
- Easily increase capacity for water system by adding ozone production cells
- Instant start-up with zero warm-up time
- Easily integrated into existing water systems
- Small footprint and remote control capability
- No separate source of feed gas required

## | UV | Aquaray® LPTS



Flow rate:  
10 to 33 m<sup>3</sup>/h

### Main features

- Eliminate residual ozone prior to points-of-use
- UV technology-based ozone destruction and disinfection
- TRICLAMP sanitary connections
- Low capital, operation and maintenance costs

## About SUEZ Water Technologies & Solutions

- Over **25 years** experience in ozone and UV technology
- **13 locations** across the globe
- Over **10,000 installations** worldwide

Collaborating with an innovative solutions provider like SUEZ Water Technologies & Solutions reduces treatment system design, build, and operational costs. Our capabilities and expertise can help your company solve your water treatment challenges.

### References

#### Pharmaceutical Industry:

Sanofi; Pfizer; Roche; Novartis; Glaxo Smith Kline

#### Semiconductor Industry:

Texas Instruments; Siemens; AMD; Motorola

#### Cosmetics Industry:

L'Oréal; Procter & Gamble; Johnson & Johnson; Unilever