

 LOTUS



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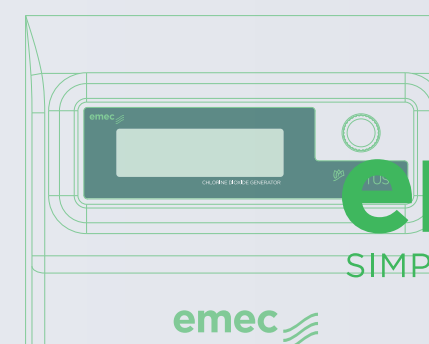


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LOTUS

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 LOTUS  
AIR



**emec**  
SIMPLE AS WATER

# LOTUS

## Disinfection made safe.



The use of chlorine dioxide in the treatment of water has been driven by an increased awareness of biological related health issues. EMEC **LOTUS** chlorine dioxide generators can be used in a variety of industries for control of micro-organisms in water systems and are especially recommended for Legionella reduction, control and prevention in cold and hot water systems.  
***Micro-organisms are killed in 5 minutes in a safe way.***

**LOTUS** chlorine dioxide based biological control systems are reliable and safe, being designed so there is no requirement to handle ClO<sub>2</sub> as a gas: two liquid chemicals, Hydrochloric Acid (HCl) and Sodium Chlorite (NaClO<sub>2</sub>), react together to form the chlorine dioxide required, so there is no ClO<sub>2</sub> gas or concentrated solutions outside of the process application.

Thanks to EMEC online control system NIMBUS, you will also be able to monitor and interact with **LOTUS** systems from everywhere and through a simple but powerful web interface.



## PERFORMANCES STANDARD CONFIGURATION

| MODELS            | ClO <sub>2</sub> MAX CAPACITY | CONCENTRATION | MAX CHEMICALS CONSUMPTION |
|-------------------|-------------------------------|---------------|---------------------------|
| <b>AIR 10</b>     | 10 g/h                        | 0,2%          | 0.25 l/h                  |
| <b>AIR 30</b>     | 30 g/h                        |               | 0.75 l/h                  |
| <b>AIR 60</b>     | 60 g/h                        |               | 1.5 l/h                   |
| <b>MINI 8</b>     | 8 g/h                         | 0,2%          | 0.2 l/h                   |
| <b>MINI 20</b>    | 20 g/h                        |               | 0.5 l/h                   |
| <b>MAXI 80</b>    | 80 g/h                        | 2%            | 2 l/h                     |
| <b>MAXI 160</b>   | 160 g/h                       |               | 4 l/h                     |
| <b>MAXI 240</b>   | 240 g/h                       |               | 6 l/h                     |
| <b>MAXI 400</b>   | 400 g/h                       |               | 10 l/h                    |
| <b>MAXI 600</b>   | 600 g/h                       |               | 15 l/h                    |
| <b>MAXI 1000</b>  | 1000 g/h                      |               | 25 l/h                    |
| <b>ULTRA 1000</b> | 1000 g/h                      | 5,5%          | 6.1 l/h                   |
| <b>ULTRA 2000</b> | 2000 g/h                      |               | 12.2 l/h                  |
| <b>ULTRA 4000</b> | 4000 g/h                      |               | 24.4 l/h                  |
| <b>EASY 8</b>     | 8 g/h                         | 2%            | 0.2 l/h                   |
| <b>EASY 20</b>    | 20 g/h                        |               | 0.5 l/h                   |
| <b>EASY 40</b>    | 40 g/h                        |               | 1 l/h                     |
| <b>EASY 80</b>    | 80 g/h                        |               | 2 l/h                     |

## POWER SUPPLY

230 VAC (190-265 VAC)  
115 VAC (90-135 VAC)



LOTUS AIR/MINI COVER



| CHEMICALS CONCENTRATION | MAX PRESSURE (FEED WATER) | WORK MAX PRESSURE** |
|-------------------------|---------------------------|---------------------|
| 9% HCl                  | 2 bar                     | 8 bar               |
| 7.5% NaClO <sub>2</sub> | 3 bar                     | 5 bar               |
|                         | 3 bar                     | 5 bar               |
| 9% HCl                  | 5 bar                     | 8 bar               |
| 7.5% NaClO <sub>2</sub> | 5 bar                     | 8 bar               |
|                         |                           | 8 bar               |
|                         |                           | 8 bar               |
| 9% HCl                  | *                         | 8 bar               |
| 7.5% NaClO <sub>2</sub> |                           | 8 bar               |
|                         |                           | 5 bar               |
|                         |                           | 3 bar               |
| 33% HCl                 | *                         | 5 bar               |
| 25% NaClO <sub>2</sub>  |                           | 5 bar               |
|                         |                           | 2 bar               |
|                         |                           | 8 bar               |
| 9% HCl                  | *                         | 8 bar               |
| 7.5% NaClO <sub>2</sub> |                           | 8 bar               |
|                         |                           | 8 bar               |

\* Depends on system pressure (max 8 bar)  
\*\* For higher pressures use an external pump

## LOTUS CHEMICAL REACTOR

- LOTUS ULTRA (1000, 2000, 4000) > PVDF
- OTHER LOTUS SYSTEMS > PVC