

# CHLORINE DIOXIDE GENERATORS LOTUS




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LOTUS

  
LOTUS  
AIR

**emec**   
SIMPLE AS WATER

emec 

## 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  $\text{ClO}_2$  as a gas: two liquid chemicals, Hydrochloric Acid (HCl) and Sodium Chlorite ( $\text{NaClO}_2$ ), react together to form the chlorine dioxide required, so there is no  $\text{ClO}_2$  gas or concentrated solutions outside of the process application.

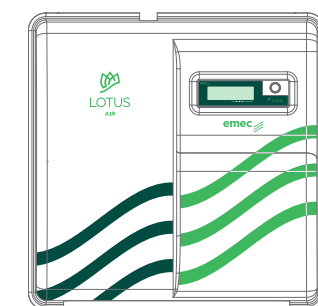
Thanks to EMEC online control system ERMES, you will also be able to monitor and interact with **LOTUS** systems from everywhere and through a simple but powerful web interface.



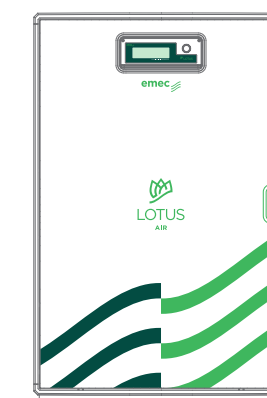
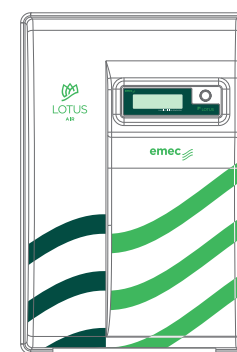
qualityaustria  
SYSTEM CERTIFIED  
ISO 9001:2015 No. 20006/0  
ISO 14001:2015 No. 03528/0  
BS OHSAS 18001:2007 No. 02032/0

## PERFORMANCES STANDARD CONFIGURATION

MODELS	$\text{ClO}_2$ MAX CAPACITY	CONCENTRATION	MAX CHEMICALS CONSUMPTION	CHEMICALS CONCENTRATION	MAX PRESSURE (FEED WATER)	WORK MAX PRESSURE**
<b>AIR 10</b>	10 g/h		0,25 l/h	9% HCl	2 bar	8 bar
<b>AIR 30</b>	30 g/h	0,2%	0,75 l/h	7,5% $\text{NaClO}_2$	3 bar	5 bar
<b>AIR 60</b>	60 g/h		1,5 l/h		3 bar	5 bar
<b>MINI 8</b>	8 g/h		0,2 l/h	9% HCl	5 bar	8 bar
<b>MINI 20</b>	20 g/h	0,2%	0,5 l/h	7,5% $\text{NaClO}_2$	5 bar	8 bar
<b>MAXI 80</b>	80 g/h		2 l/h			8 bar
<b>MAXI 160</b>	160 g/h		4 l/h			8 bar
<b>MAXI 240</b>	240 g/h		6 l/h	9% HCl	*	8 bar
<b>MAXI 400</b>	400 g/h	2%	10 l/h	7,5% $\text{NaClO}_2$		8 bar
<b>MAXI 600</b>	600 g/h		15 l/h			5 bar
<b>MAXI 1000</b>	1000 g/h		25 l/h			3 bar
<b>ULTRA 1000</b>	1000 g/h		6,1 l/h	33% HCl		5 bar
<b>ULTRA 2000</b>	2000 g/h	5,5%	12,2 l/h	25% $\text{NaClO}_2$	*	5 bar
<b>ULTRA 4000</b>	4000 g/h		24,4 l/h			2 bar
<b>EASY 8</b>	8 g/h		0,2 l/h	9% HCl		8 bar
<b>EASY 20</b>	20 g/h	2%	0,5 l/h	7,5% $\text{NaClO}_2$	*	8 bar
<b>EASY 40</b>	40 g/h		1 l/h			8 bar
<b>EASY 80</b>	80 g/h		2 l/h			8 bar



LOTUS AIR/MINI COVER



\* 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