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# LOTUS



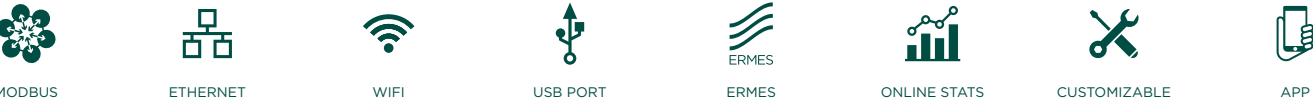
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# LOTUS

## 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 ERMES, 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 COMSUMPTION
AIR 10	10 g/h	0,2%	0.25 l/h
AIR 30	30 g/h		0.75 l/h
AIR 60	60 g/h		1.5 l/h
MINI 8	8 g/h	0,2%	0.2 l/h
MINI 20	20 g/h		0.5 l/h
MAXI 80	80 g/h	2%	2 l/h
MAXI 160	160 g/h		4 l/h
MAXI 240	240 g/h		6 l/h
MAXI 400	400 g/h		10 l/h
MAXI 600	600 g/h		15 l/h
MAXI 1000	1000 g/h		25 l/h
ULTRA 1000	1000 g/h	5,5%	6.1 l/h
ULTRA 2000	2000 g/h		12.2 l/h
ULTRA 4000	4000 g/h		24.4 l/h
EASY 8	8 g/h	2%	0.2 l/h
EASY 20	20 g/h		0.5 l/h
EASY 40	40 g/h		1 l/h
EASY 80	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