

 LOTUS



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LOTUS AIR

emec
SIMPLE AS WATER

emec

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 ClO₂ as a gas: two liquid chemicals, Hydrochloric Acid (HCl) and Sodium Chlorite (NaClO₂), react together to form the chlorine dioxide required, so there is no ClO₂ 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 ₂ MAX CAPACITY	CONCENTRATION	MAX CHEMICALS CONSUMPTION	CHEMICALS CONCENTRATION	MAX PRESSURE (FEED WATER)	WORK MAX PRESSURE**
AIR 10	10 g/h		0.25 l/h	9% HCl	2 bar	8 bar
AIR 30	30 g/h	0,2%	0.75 l/h	7.5% NaClO ₂	3 bar	5 bar
AIR 60	60 g/h		1.5 l/h		3 bar	5 bar
MINI 8	8 g/h		0.2 l/h	9% HCl	5 bar	8 bar
MINI 20	20 g/h	0,2%	0.5 l/h	7.5% NaClO ₂	5 bar	8 bar
MAXI 80	80 g/h		2 l/h			8 bar
MAXI 160	160 g/h		4 l/h			8 bar
MAXI 240	240 g/h	2%	6 l/h	9% HCl	*	8 bar
MAXI 400	400 g/h		10 l/h	7.5% NaClO ₂		8 bar
MAXI 600	600 g/h		15 l/h			5 bar
MAXI 1000	1000 g/h		25 l/h			3 bar
ULTRA 1000	1000 g/h		6.1 l/h	33% HCl	*	5 bar
ULTRA 2000	2000 g/h	5,5%	12.2 l/h	25% NaClO ₂		5 bar
ULTRA 4000	4000 g/h		24.4 l/h			2 bar
EASY 8	8 g/h		0.2 l/h	9% HCl	*	8 bar
EASY 20	20 g/h		0.5 l/h	7.5% NaClO ₂		8 bar
EASY 40	40 g/h	2%	1 l/h			8 bar
EASY 80	80 g/h		2 l/h			8 bar

POWER SUPPLY

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



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