

 LOTUS



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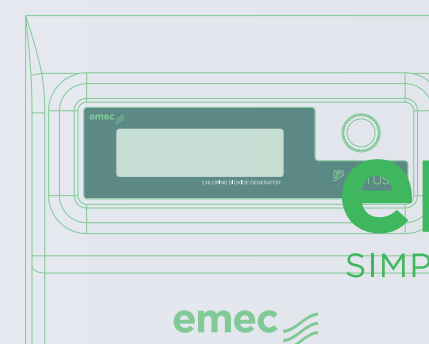
 LOTUS

cod. 20210870



EMEC S.r.l. Via Donatori di Sangue, 1 - 02100 Rieti - Italia
T. +39 0746 2284 1 F. +39 0746 2284 2
info@emecpumps.com - www.emecpumps.com

 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 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
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 ₂	3 bar	5 bar
	3 bar	5 bar
9% HCl	5 bar	8 bar
7.5% NaClO ₂	5 bar	8 bar
		8 bar
		8 bar
9% HCl	*	8 bar
7.5% NaClO ₂		8 bar
		5 bar
		3 bar
33% HCl	*	5 bar
25% NaClO ₂		5 bar
		2 bar
		8 bar
9% HCl	*	8 bar
7.5% NaClO ₂		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