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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

CHLORINE DIOXIDE GENERATORS LOTUS


LOTUS


LOTUS
AIR

emec

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 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 ₂ MAX CAPACITY	CONCENTRATION	MAX CHEMICALS CONSUMPTION
AIR 10	0.35 oz/h	0.2%	0.07 gph
AIR 30	1.06 oz/h		0.20 gph
AIR 60	2.12 oz/h		0.40 gph
MINI 8	0.28 oz/h	0.2%	0.05 gph
MINI 20	0.71 oz/h		0.13 gph

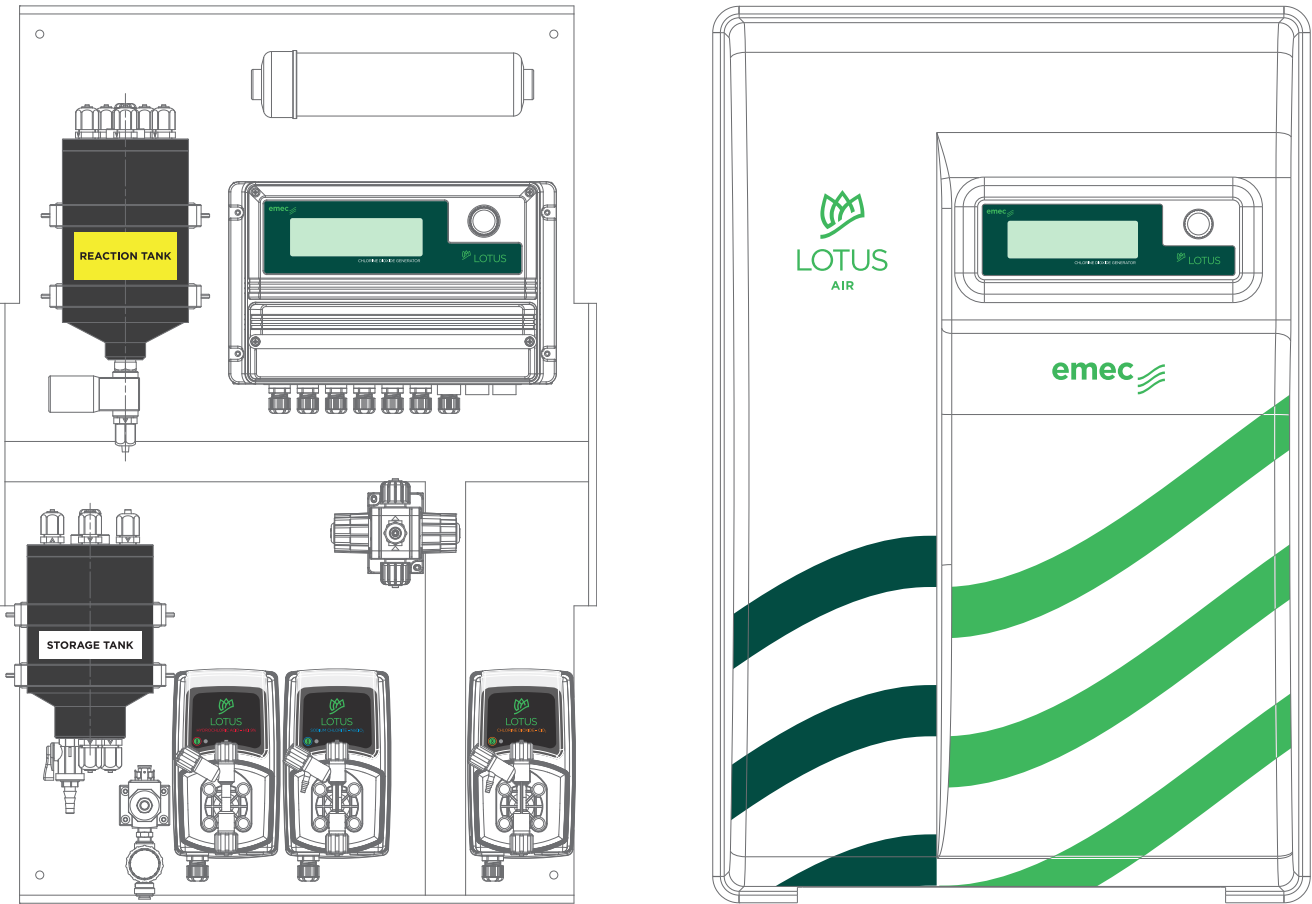
MODELS	CHEMICALS CONCENTRATION	MAX PRESSURE (FEED WATER)	WORK MAX PRESSURE*
AIR 10	9% HCl	29 psi	116 psi
AIR 30	7.5% NaClO ₂	43.5 psi	72.5 psi
AIR 60		43.5 psi	72.5 psi
MINI 8	9% HCl	72.5 psi	116 psi
MINI 20	7.5% NaClO ₂	72.5 psi	116 psi

* For higher pressures use an external pump

LOTUS CHEMICAL REACTOR

■ LOTUS AIR / MINI > PVC

LOTUS INSIDE AIR 10, MINI 8/20 (60X90 CM) INSIDE EXAMPLE



OTHER COVERED SYSTEMS



AIR 10
MINI 8 / 20

AIR 30 / 60

AIR 30 / 60