LOTUS

5 YEARS WARRANTY

MADE IN ITALY

LOTUS

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

emec
SIMPLE AS WATER

LOTUS

Disinfection made safe.

MODBUS · ETHERNET · WIFI · USB PORT · NIMBUS DIGITAL SERVICES · ONLINE STATS · CUSTOMIZABLE · APP

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_2 as a gas: two liquid chemicals, Hydrochloric Acid (HCl) and Sodium Chlorite ($NaClO_2$), react together to form the chlorine dioxide required, so there is no ClO_2 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.

IQNet CERTIFIED MANAGEMENT SYSTEM
qualityaustria SYSTEM CERTIFIED
ISO 9001:2015 No.07728/0
ISO 14001:2015 No.00997/0
ISO 45001:2018 No.01121/0

PERFORMANCES
STANDARD CONFIGURATION

MODELS	ClO_2 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% **$NaClO_2$**	3 **bar**	5 **bar**
	3 **bar**	5 **bar**
9% **HCl**	5 **bar**	8 **bar**
7.5% **$NaClO_2$**	5 **bar**	8 **bar**
9% **HCl**	*	8 **bar**
7.5% **$NaClO_2$**		8 **bar**
		8 **bar**
		8 **bar**
		5 **bar**
		3 **bar**
33% **HCl**	*	5 **bar**
25% **$NaClO_2$**		5 **bar**
		2 **bar**
9% **HCl**	*	8 **bar**
7.5% **$NaClO_2$**		8 **bar**
		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**