LOTUS

5 YEARS WARRANTY

MADE IN ITALY

# LOTUS

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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.0112/10

# PERFORMANCES

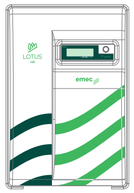
## STANDARD CONFIGURATION

| MODELS | $ClO_2$ MAX CAPACITY | CONCENTRATION | MAX CHEMICALS COMSUMPTION | CHEMICALS CONCENTRATION | MAX PRESSURE (FEED WATER) | WORK MAX PRESSURE** |
|---|---|---|---|---|---|---|
| **AIR 10** | 10 g/h | 0,2% | 0.25 l/h | 9% HCl<br>7.5% $NaClO_2$ | 2 bar | 8 bar |
| **AIR 30** | 30 g/h | | 0.75 l/h | | 3 bar | 5 bar |
| **AIR 60** | 60 g/h | | 1.5 l/h | | 3 bar | 5 bar |
| **MINI 8** | 8 g/h | 0,2% | 0.2 l/h | 9% HCl<br>7.5% $NaClO_2$ | 5 bar | 8 bar |
| **MINI 20** | 20 g/h | | 0.5 l/h | | 5 bar | 8 bar |
| **MAXI 80** | 80 g/h | 2% | 2 l/h | 9% HCl<br>7.5% $NaClO_2$ | * | 8 bar |
| **MAXI 160** | 160 g/h | | 4 l/h | | | 8 bar |
| **MAXI 240** | 240 g/h | | 6 l/h | | | 8 bar |
| **MAXI 400** | 400 g/h | | 10 l/h | | | 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 | 5,5% | 6.1 l/h | 33% HCl<br>25% $NaClO_2$ | * | 5 bar |
| **ULTRA 2000** | 2000 g/h | | 12.2 l/h | | | 5 bar |
| **ULTRA 4000** | 4000 g/h | | 24.4 l/h | | | 2 bar |
| **EASY 8** | 8 g/h | 2% | 0.2 l/h | 9% HCl<br>7.5% $NaClO_2$ | * | 8 bar |
| **EASY 20** | 20 g/h | | 0.5 l/h | | | 8 bar |
| **EASY 40** | 40 g/h | | 1 l/h | | | 8 bar |
| **EASY 80** | 80 g/h | | 2 l/h | | | 8 bar |

** Depends on system pressure (max 8 bar)*
*** For higher pressures use an external pump*

## POWER SUPPLY

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



LOTUS AIR/MINI COVER

# LOTUS CHEMICAL REACTOR

- LOTUS ULTRA (1000, 2000, 4000) > **PVDF**
- OTHER LOTUS SYSTEMS > **PVC**