LOTUS MAXI

Chlorine Dioxide Generator

Data Sheet

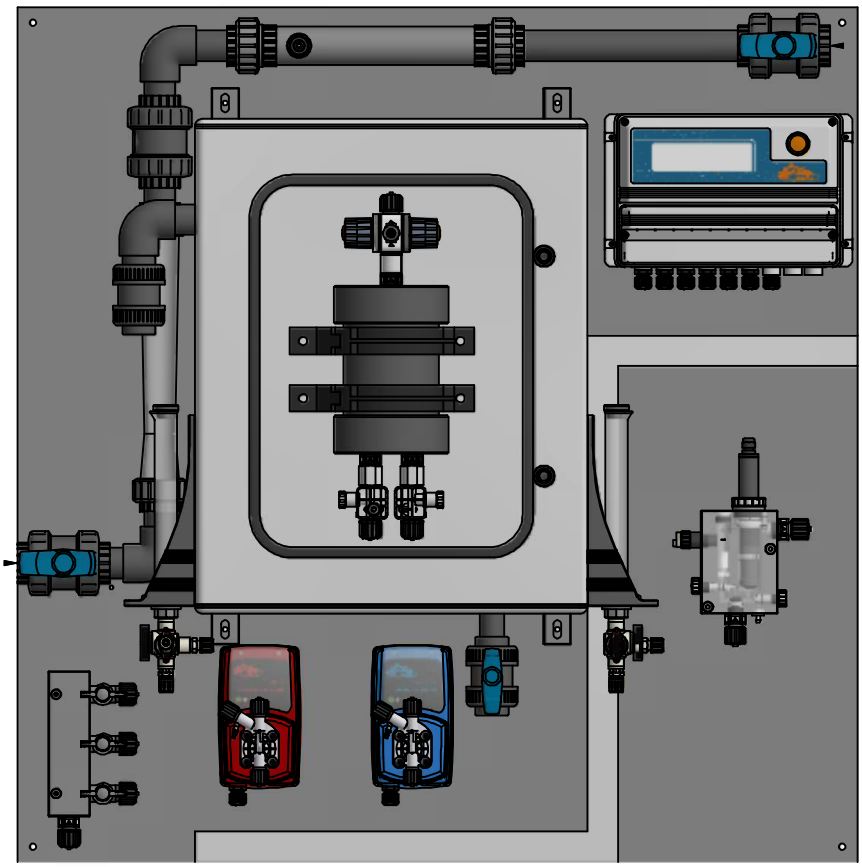
"LOTUS MAXI"

LOTUS MAXI is the largest product of our family of generators of Chlorine Dioxide . It is used in all those cases in which there is need of a big production, such as large water treatment plants. Chlorine Dioxide produced by LOTUS MAXI is set to be proportional to the circulating water flow or based on a setpoint, it is then dosed into the water flow.

LOTUS MAXI system has got:

- LOTUS control instrument
- HCl (red) and NaClO2 (blue) metering pumps
- PCV reaction chamber
- level alarm for Chlorine Dioxide leaks
- collector for water
- bypass pipeline with no-return valve and flow meter
- 2 SEFL flow sensors as security
- MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed valve
- reaction chamber
- injection valve
- 2 LASP4 (LASP4/V40) suction lances with level probe and coloured nuts. For 30 litres tanks
- static mixer
- double calibration beker

GAS SENSOR OPTION
LOTUS MAXI with gas sensor detection.



LOTUS MAXI 80, 160, 240 e 400

ADVANTAGES

- Reaction at controlled pressure
- Large-scale applications
- High degree of stability of the Chlorine Dioxide solution
- No ClO2 loss due to closed reaction chamber
- Diluted chemicals

FUNCTIONS

- Instantaneous ClO2 production
- ClO2 dosing in proportional mode
- Flow control input (flow alarm)
- Tank level controls (level alarms)
- Water meter input
- Stand-by input
- Real time production data
- Pumps and SEFL flow sensors monitoring
- Permanent data storage with system data log (on Logbook menu)
- ERMES communication
- mA output
- USB data log (option)
- Ethernet module (option)
- GSM/GPRS internal modem (option)
- Service due date

FEATURES

- ClO2 concentration: 2 gr/l
- Flow control input (flow alarms)
- Tank level control (level alarms)
- HCl (red) and NaClO2 (blue) metering pumps
- 2 SEFL flow sensors as security
- MFKT/V multifunction valve as pressure, safety, anti-syphon and bleed
- PVC reaction chamber
- ASA (Acrylonitrile Styrene Acrylate) enclosure
- IP65 protection (NEMA4x) of LOTUS control instrument and pumps
- Wheel control for easy programming
- Working temperature: 0/45°C (32/110°F)
- mV or ClO2 or temperature reading (on request)

ERMES digital services

Modbus

Via Donatori di Sangue, 1 - 02100 Rieti (Italy)
+39 074622841 | emecpumps.com

Specifications subject to change without notice | R2025

emec SIMPLE AS WATER

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

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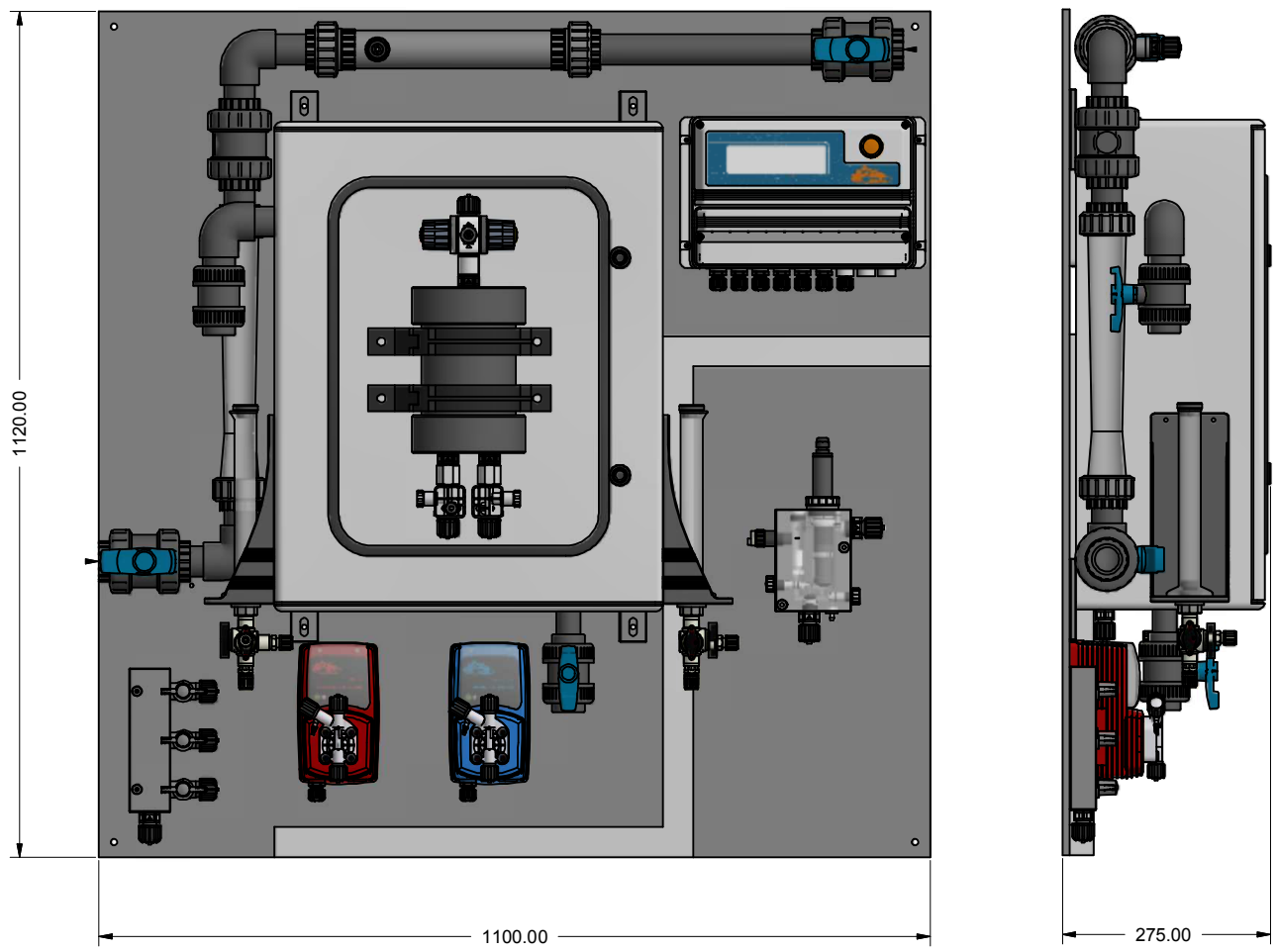
	LOTUS MAXI 80	LOTUS MAXI 160	LOTUS MAXI 240	LOTUS MAXI 400	LOTUS MAXI 600	LOTUS MAXI 1000
ClO2 max capacity (g/h)	80 g/h	160 g/h	240 g/h	400 g/h	600 g/h	1000 g/h
Max pressure (bar)	8	8	8	8	5	4
Max chemicals consumption (l/h)	2.0 2.0	4.0 4.0	6.0 6.0	10.0 10.0	15.0 15.0	25.0 25.0
Concentration (g/l)	2 g/l					
Power supply	230 VAC (190/265 VAC) 115 VAC (90/135 VAC)					
Maximum power consumption (W)	44	44	44	56	96	96
Weight	50	60	60	65	70	70

LOTUS MAXI Dimensions

[mm].



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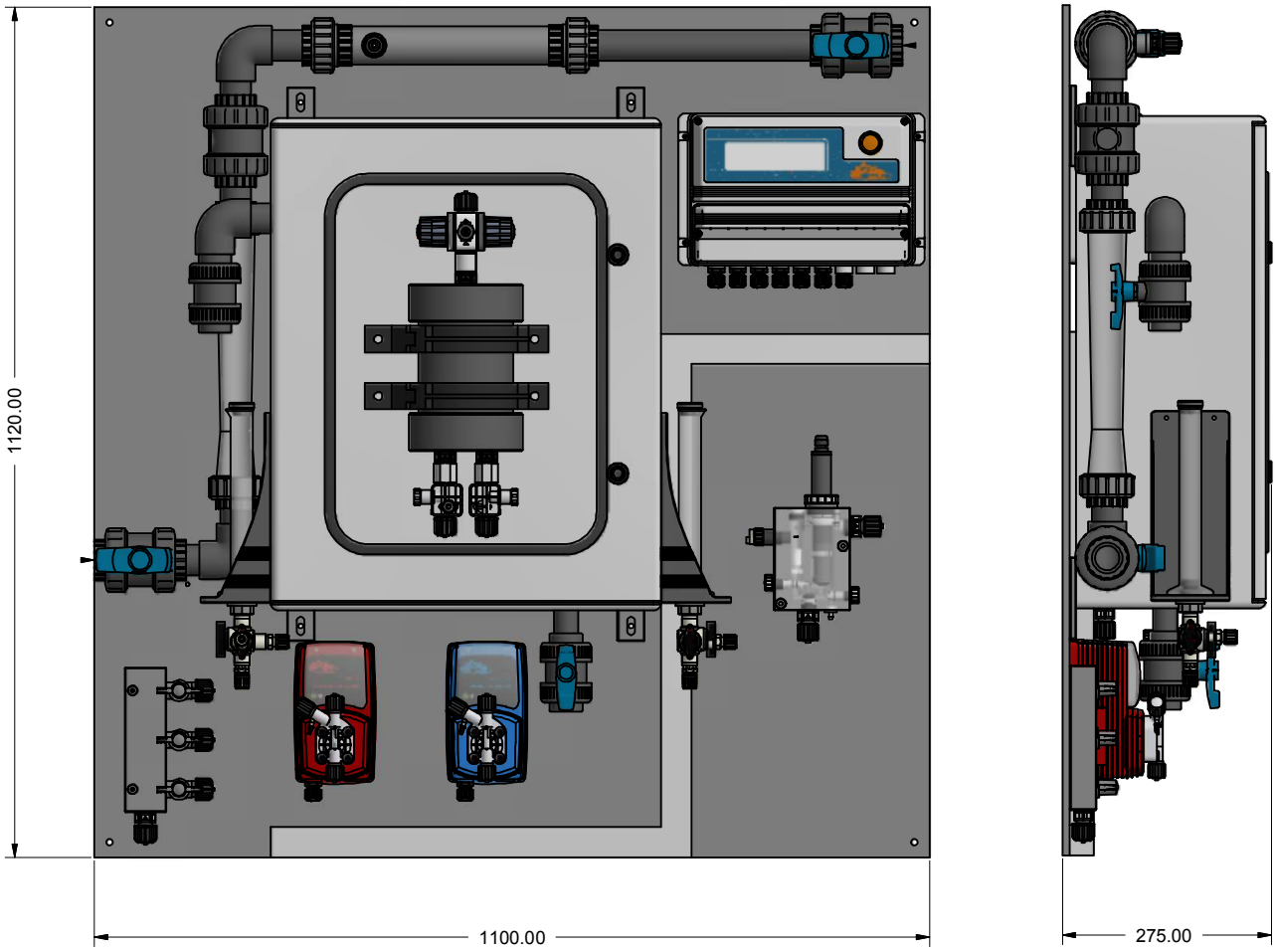

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