

H319 · H400  
Chlorine dioxide solution  
(ClO<sub>2</sub>)  
CAS: 10049-04-4  
EINECS: 233-162-8



**SOLUTION TANK**

## DOSING

chlorine dioxide generators



Biopure® is a range of equipment and products mainly designed for water treatments with in-situ-generated chlorine dioxide as the active substance. Whether manual or automatic, the systems for preparing the product guarantee a chlorine dioxide purity of 99% or higher, with varying concentrations according to the products of the range. Chlorine dioxide is also used in agriculture or aquaculture, among other sectors, as well as for the sterilization of medical and laboratory material and the disinfection of surfaces or tools.

[www.biopure.es](http://www.biopure.es)

### MAIN CHARACTERISTICS

It is a broad-spectrum disinfectant (bacteria, fungi, viruses, etc.)  
It destroys biofilms  
It is highly effective, even in the presence of organic material  
Fast-acting, allowing for short contact times

No odor or taste transfer to water  
No by-products from the disinfection are formed, such as THMs or chloramines  
It can be used in a wide array of areas, regardless of the pH  
High residual persistence

### MAIN SECTORS



Drinking water



Livestock farming



Food industry



Agriculture



Hospitals and clinics



Water refrigeration systems



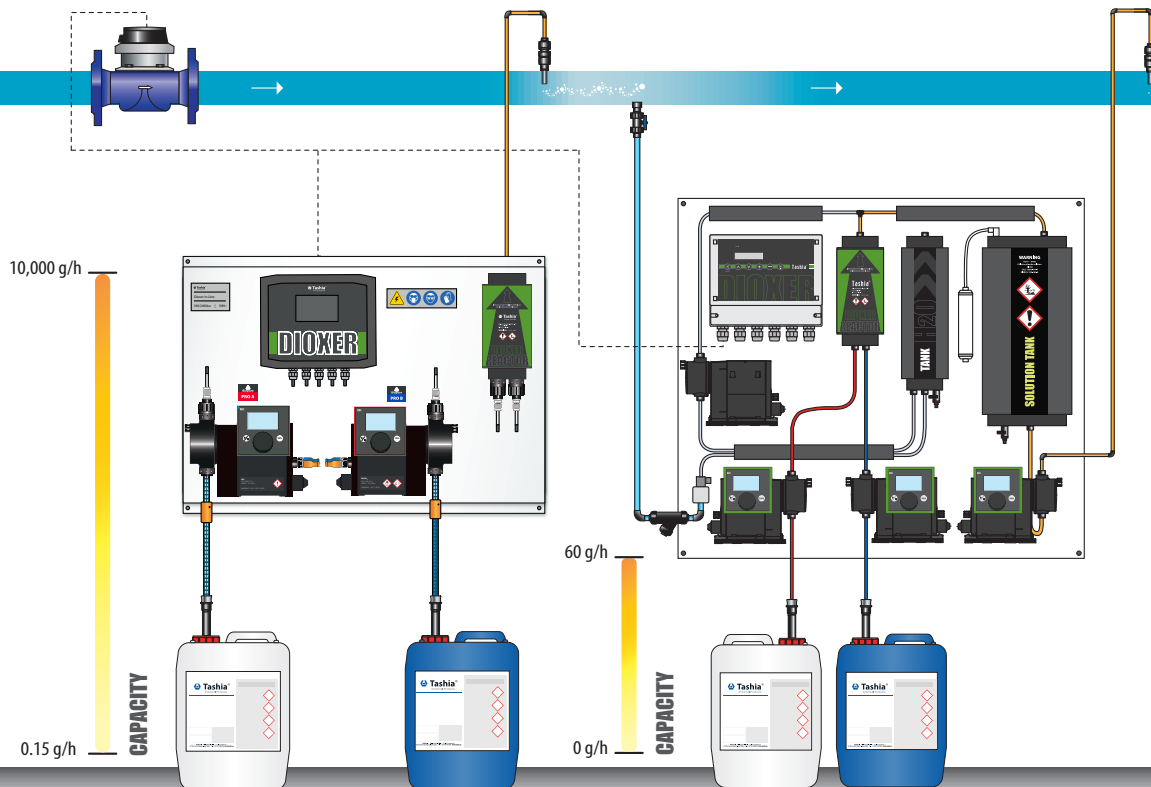
Waste and process water



## PRODUCTS

### BIOPURE® PRO

ClO<sub>2</sub> is generated by means of two precursors, Biopure Pro A and Biopure Pro B, exclusively formulated to be used in the Dioxer and Oxiperm automatic equipment, designed for the generation and dosing of ClO<sub>2</sub>.



#### BIOPURE® PRO IN-LINE

- Large volumes of water to be treated.
- Good quality-price-efficiency ratio.
- Pumps with stepper motor for low-volume applications with in-line equipment.
- Clear and user-friendly interface for easy handling.
- Multiple external control options: tank control, management with in-line analyzers, gas detectors...
- Remote control through different communication protocols depending on the model.

#### BIOPURE® PRO BATCH

- Excellent price-quality-accuracy ratio.
- Ideal for non-continuous applications and very low volumes of water to be treated.
- The multi-point injection system provides great accuracy and optimizes costs in multiple installations.
- Clear and user-friendly interface for easy handling.
- Multiple external control options: tank control, management with in-line analyzers, gas detectors...
- Remote control through different communication protocols depending on the model.

NEW

**IN LINE  
GENERATION  
SYSTEM**  
SIMPLE  
EFFECTIVE  
SAFE



# IN-LINE DIOXER

CHLORINE DIOXIDE GENERATOR



# NEW

Automatic in-line system for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing. It incorporates a clear and intuitive interface designed for easy handling, with new operating modes compared to its predecessor and a new frame of control pulses offering an excellent 1:100 ratio in the continuous generation of chlorine dioxide.

Model	Code	ClO <sub>2</sub> capacity (g/h)	Max. p. (bar)	Dosing pumps
DIOXER IN-LINE 15	10025301	0.15 - 15	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 40	10025304	0.40 - 40	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 80	10025308	0.80 - 80	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 120	10025312	1.20 - 120	10	2 x DDC-AR 6 PVC
DIOXER IN-LINE 220	10025322	2.20 - 220	10	2 x DDC-AR 6 PVC

Suction lines not included.

## CHARACTERISTICS:

Supply voltage: 100/240 V, 50/60Hz.  
Power: 65 W.  
Touchscreen: 4.5".  
Working temperature: from 5 to 35 °C.

## GENERAL INFORMATION:

Protection: IP65.  
Operating modes: Volumetric, Manual 4-20 mA and Batch.  
Pump suction lines.  
Empty pipe detector.  
Inputs: contact signal, remote connect/disconnect, batch start signal, generation speed control, empty tank notification, inhibit and gas detector.

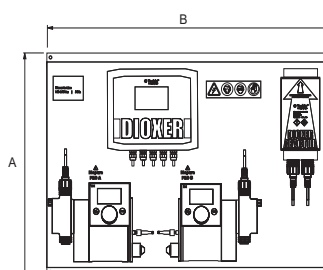
Outputs: regulation of pumps by pulses, auxiliary pump control, confirmation of pump function, pump alarm, Dioxer In-Line operating and Dioxer In-Line alarm.  
Product output connection: 4-6 mm pipe in PVDF or PTFE.

## STANDARD MATERIALS:

Support: polyethylene.  
Pump: PVC.  
Pipes: PTFE and PE.  
Seals: FPM.

## OPTIONS:

Gas leak detector.



## DIMENSIONS/MM

Model	A	B	C
DIOXER	790	590	300

Automatic batch system for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

Dosing pumps					
Model	Code	ClO <sub>2</sub> capacity (g/h)	Max. p. (bar)	Chemicals	Chlorine dioxide
DIOXER PRO 12 g/h	10025001	0 - 12	10	2 x DDE 6 l/h	DDC 6 l/h
DIOXER PRO 32 g/h	10025003	0 - 32	4	2 x DDE 6 l/h	DDC 15 l/h

Suction lines not included.

## CHARACTERISTICS:

Supply voltage: 100/240 V, 50/60 Hz.  
Power: 60 VA.  
Working temperature: from 5 to 35 °C.

## GENERAL INFORMATION:

Protection: IP65.  
Inputs: contact signal, remote connect/disconnect, pump flow control at 4-20 mA, empty tank notification, programmable auxiliary alarm, inhibit, gas detector.

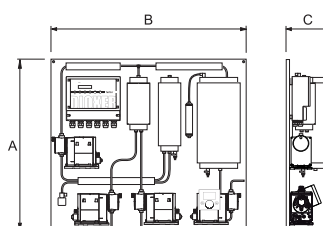
Outputs: operation confirmation, notification, and alarm.  
Product output connection: 6x12-m PVC pipe.

## STANDARD MATERIALS:

Support: polypropylene.  
Pump: PVC.  
Pipes: PTFE and PE.  
Seals: FPM.

## OPTIONS:

Multiple injection points.  
Gas leak detector.



## DIMENSIONS/MM

Model	A	B	C
DIOXER PRO	900	1000	220

# IN-LINE DIOXER CHLORINE DIOXIDE GENERATOR

(In-Line Pro)



# DIOXER PRO CHLORINE DIOXIDE GENERATOR

(Batch Pro)



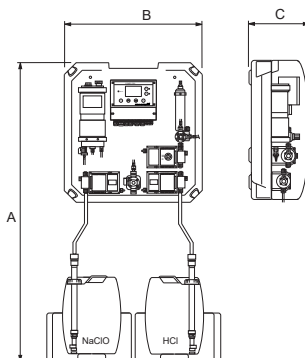
## OXIPERM OCD 162 CHLORINE DIOXIDE GENERATOR

(Batch)



Automatic batch systems for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

Model	Code	ClO <sub>2</sub> capacity (g/h)	Max. p. (bar)	Dosing pumps	
				Chemicals	Chlorine dioxide
OCD162-II/10	10024110	0 - 10	10	2 x DDE 6 l/h	DDC 6 l/h



### DIMENSIONS/MM

Model	A	B	C
OCD162	1600	765	328

### CHARACTERISTICS:

Supply voltage: 230/240 V, 50/60 Hz.  
Power: 50 VA.  
Working temperature: from 5 to 35 °C.

### GENERAL INFORMATION:

Protection: IP65.  
Panel input and output connections: 4/6 (DN4).  
Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, tank-empty notification, alarm signal for gas and preparation tank error (max., min., overflow).

Outputs: 0/4-20 mA signal, error notification, empty early warning, and manual/automatic operation.

### STANDARD MATERIALS:

Support: PP.  
Pump: PVC (gray).  
Pipes: PVC (gray).  
Seals: FPM/PTFE.

### OPTIONS:

GSM module for alarm notification.  
Gas leak detector.

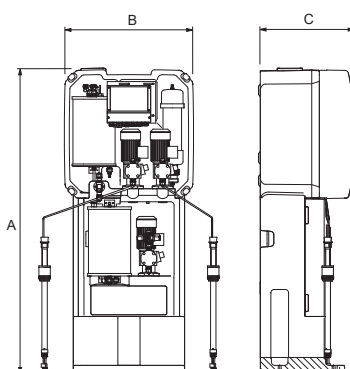
## OXIPERM OCD162 HF CHLORINE DIOXIDE GENERATOR

(Batch)



Automatic batch systems for the generation and application of chlorine dioxide in water, through the combination of chlorite and acid with proper dosing and mixing.

Model	Code	ClO <sub>2</sub> capacity (g/h)	Max. p. (bar)	Dosing pumps	
				Chemicals	Chlorine dioxide
OCD162-II/30	10024130	0 - 30	4	2 x DDE 15 l/h	DDC 15 l/h
OCD162-II/60	10024160	0 - 60	4	2 x DMX 35 l/h	DDA 30 l/h



### DIMENSIONS/MM

Model	A	B	C
OCD162-II/30	1813	766	568
OCD162-II/60	1813	766	568

### CHARACTERISTICS:

Supply voltage: 230 V, 50 Hz.  
OCD162-30 power: 180 VA.  
OCD162-60 power: 320 VA.  
Working temperature: from 5 to 40 °C.

### GENERAL INFORMATION:

Protection: IP65 and IP44.  
Panel input and output connections: 6/12 (DN8).  
Inputs: contact signal, 0/4-20 mA signal, remote connect/disconnect, tank-empty notification, alarm signal for gas and preparation tank error (max., min., overflow).  
Outputs: 0/4-20 mA signal, error notification, empty early warning, and manual/automatic operation.

### STANDARD MATERIALS:

Support: PP.  
Pump: PVC (gray).  
Pipes: PVC (gray).  
Seals: FPM/PTFE.

### OPTIONS:

GSM module for alarm notification.  
Gas leak detector.

**SUCTION SET**

Model	Code	Description
<b>DIOXER-ASP 20/30L</b>	10025802	Dioxer rigid suction lance for 20/30-l bottle.
<b>DIOXER-ASP 200L</b>	10025812	Dioxer rigid suction lance for 60 / 200-l drum.
<b>DIOXER-ASP 1000L</b>	10025821	Dioxer rigid suction lance for GRG tanks.

Accessories for Dioxer and Dioxer Pro.

**INSTALLATION KIT**

Model	Code	Description
<b>DIOXER-KIT</b>	10025850	Dioxer installation kit
<b>DIOXER PRO-KIT</b>	10025860	Dioxer Pro installation kit

Accessories for Dioxer and Dioxer Pro.

**OTHERS**

Model	Code	Description
<b>BALIZA/RJ 230I</b>	10025910	Flashing red beacon with buzzer, 230 Vac (interior)
<b>BALIZA/RJ 230E</b>	10025911	Flashing red beacon with buzzer, 230 Vac (exterior)
<b>BALIZA/VE 230E</b>	10025912	Flashing green beacon, 230 Vac IP65 (exterior)

Accessories for Dioxer and Dioxer Pro.  
Compatible with other equipment.

**ACCESSORIES**