

## Chlorine dioxide system EASYZON<sup>®</sup> 15g/30g Compact

### Dosing Disinfectant Properly

Water is an essential, indispensable element - the core substance that contributes to the continuation of human life and our environment.

The innovative water treatment system solutions offered by Lutz-Jesco contribute considerably to the protection and preservation of this element.

We design products that treat drinking, pool and process water in a safe, reliable and effective way.

### EASYZON<sup>®</sup> 15g/30g – the Compact Solutions

In water treatment, chlorine dioxide is known as an effective oxidant and is used, among other applications, for combating Legionella.

Chlorine dioxide is characterized by a high disinfecting effect – it is effective even at high pH values that render chlorination ineffective. The odor threshold is higher than that of chlorine, and chlorine dioxide features a higher lifetime in tap water, which makes it more appropriate for widely ramified pipeline systems.

The EASYZON 15g/30g ClO<sub>2</sub> generators each provide a compact system for the on-site production of chlorine dioxide.

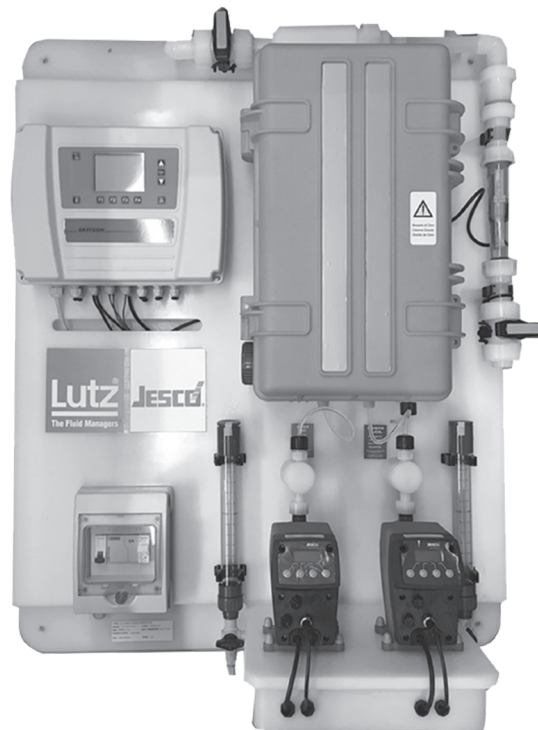
### How it Works

The EASYZON ClO<sub>2</sub> generator produces chlorine dioxide from 9% hydrochloric acid and 7.5% sodium chlorite, reacting at a 1 : 1 ratio to reach a 2% ClO<sub>2</sub> solution (20g/l).

Both reagents are dosed into a reactor using two high-precision, Lutz-Jesco solenoid metering pumps, whose actual dosage is controlled by flow sensors.

At the outlet of the reactor, chlorine dioxide is injected into a static mixer where a defined quantity of pre-mixing water shall flow in order to dilute the concentrated solution coming out of the generator and convey it safely up to the injection point.

In case the pre-dilution and conveying water-flow stops, ClO<sub>2</sub> production will stop as well.



### In short

- High efficient on-site, on-demand ClO<sub>2</sub> Production
- Compact, Pre-assembled Unit
- Integrated monitoring of all Functions
- User-friendly Operation
- Built-in Safety Features

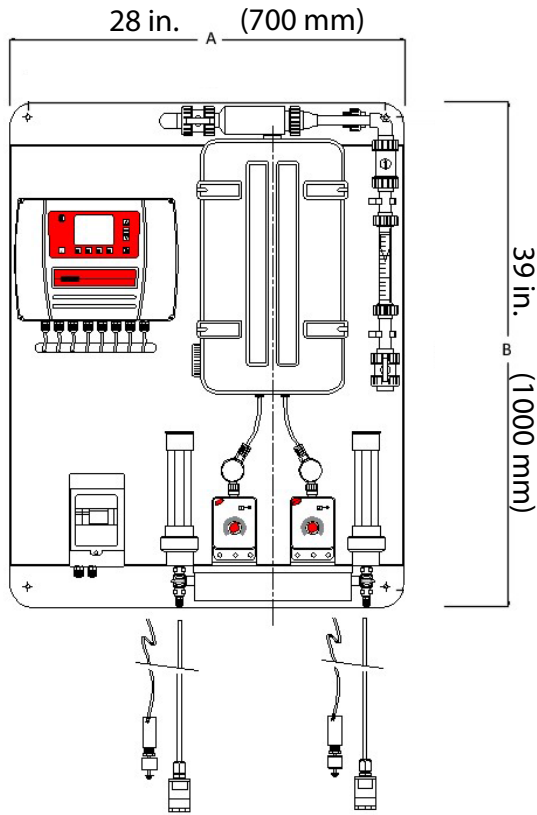
### Scope of Delivery

EASYZONs 15g/30g come installed on a back panel with the following pre-installed components:

- Control unit with 2 high-precision metering pumps for hydrochloric acid and sodium chloride
- PVDF Reactor
- Flow meter Assembly
- Reactor enclosure with Air vent and Filter
- Power Supply Unit (115 VAC 50/60 Hz or 230 VAC 50/60 Hz)
- 2 calibration Columns (optional)

The standard scope of delivery includes 2 suction pipes (25 inches, including connection hose) for extracting chemicals from the commercial containers.

## Dimensions



## Technical Specifications

Item	Model 15 Dd Compact	Model 30 Dd Compact
Production Capacity	15g ClO <sub>2</sub> /hr	30g ClO <sub>2</sub> /hr
Product Concentration	2g ClO <sub>2</sub> /(20 g/l) Solution	
Dimensions (W x H x D) in inches	28" x 39" x 15"	
Weight	approx. 77 lbs.	
Operating voltage/Power Supply	115 VAC - 50/60Hz or 210 - 230 VAC - 50/60Hz	
Average Power Consumption	70 W	
Operating Temperature	41 °F - 104 °F	
Chemicals used:	Hydrochloric acid: 9 % Sodium chlorite: 7.5 %	
Chemical Metering Pumps	Magdos L Series Solenoid Pumps	
Max. Dosing pressure	145 psig/10 bar	
Control of the dosing pump	Speed Control	
Max. Consumption per Reagent	0,38 (l/h)	0,75 (l/h)